

APPENDIX B

INVENTORY

HNF-SD-WM-SP-012
Revision 2

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APPENDIX B**INVENTORY**

This appendix provides the inventory basis (henceforth referred to as the River Protection Project [RPP] tank inventory), for 149 single-shell tanks (SSTs) and 28 double-shell tanks (DSTs) used in studies commissioned by the River Protection Project Operation and Utilization Plan (RPP O&UP). This appendix also explains the methodology for projecting inventory estimates for DSTs based on future transfer assumptions. The RPP inventory basis provides estimates for the composition of wastes in SSTs and DSTs as of October 1, 1999.

The approach outlined here relies on the Best-Basis Inventory (BBI) as of January 11, 2000 (CHG 2000), Best-Basis Wash and Leach data (Hendrickson et al. 1999), published Environmental Simulation Program (ESP) model results (Papp 1998), sample results available in the Tank Characterization Database (TCD) (CHG 2000), the Hanford Defined Waste (HDW) inventories (Agnew et al. 1997), and additional ESP model results. The BBI data included waste transfer updates through October 1, 1999 for 175 of the 177 tanks. The two exceptions, tanks 241-C-106 and 241-AY-102, included only transfers through July 31, 1999. Since the BBI is the baseline inventory for RPP, this inventory was used. The inventory in Revision 0 of the *Tank Waste Remediation System Operation and Utilization Plan* (TWRSO&UP) (Kirkbride et al. 1999) was a combination of analytical results for the DSTs (primarily supernate) and information from TRAC (Jungfleisch and Simpson 1993) and HDW, Rev. 1 (Agnew et al. 1995) normalized to the Global Best-Basis Inventory (Kupfer et al. 1997) for the SSTs. Since data are needed from non-BBI components (the BBI reports 25 chemicals and 46 radionuclides), data for non-BBI analytes from the previous TWRSO&UP (Appendix C), Revision 0, inventory were used. Placeholders were kept for non-BBI components where no data sources were available.

Data were gathered for incorporation into Hanford Tank Waste Operation Simulator (HTWOS) for projected transfers. Input into HTWOS for projected transfers is: composition, volume and frequency of facility generated waste transfers; volume, duration and start date of saltwell transfers; and wash factors for estimating the analytes that will be in the water-soluble and insoluble fractions upon solids mobilization.

B1.0 DATA SOURCES

The following sections summarize the data sources and briefly describe how each of the data sources was used to arrive at the RPP inventory. [Table B1-1](#) is a summary table defining the source of each analyte. In Table B1-1, TRAC refers to data gathered from purchase order knowledge and process knowledge. The BBI provides the tank inventories for all the tanks. The Best-Basis Inventory Maintenance Tool (BBIM) compiles analytical data, HDW model data, and process knowledge to calculate the BBI tank inventories. The BBIM also provides traceability for tank analyte values.

Table B1-1 Summary Table of Analyte Sources

Analyte	Source	In Contract
106Ru	BBI/BBIM	
113mCd	BBI/BBIM	
125Sb	BBI/BBIM	*
126Sn	BBI/BBIM	*
129I	BBI/BBIM	*
134Cs	BBI/BBIM	
137Cs	BBI/BBIM	*
137mBa	BBI/BBIM	
14C	BBI/BBIM	*
151Sm	BBI/BBIM	
152Eu	BBI/BBIM	*
154Eu	BBI/BBIM	*
155Eu	BBI/BBIM	*
226Ra	BBI/BBIM	
227Ac	BBI/BBIM	
228Ra	BBI/BBIM	
229Th	BBI/BBIM	
231Pa	BBI/BBIM	
232Th	BBI/BBIM	
232U	BBI/BBIM	
233U	BBI/BBIM	*
234U	BBI/BBIM	
235U	BBI/BBIM	*
236U	BBI/BBIM	
237Np	BBI/BBIM	*
238Pu	BBI/BBIM	*
238U	BBI/BBIM	
239Pu	BBI/BBIM	*
240Pu	BBI/BBIM	
241Am	BBI/BBIM	*
241Pu	BBI/BBIM	*
242Cm	BBI/BBIM	
242Pu	BBI/BBIM	
243Am	BBI/BBIM	
243Cm	BBI/BBIM	*
244Cm	BBI/BBIM	*
3H	BBI/BBIM	*
59Ni	BBI/BBIM	

Table B1-1 Summary Table of Analyte Sources

Analyte	Source	In Contract
60Co	BBI/BBIM	*
63Ni	BBI/BBIM	
79Se	BBI/BBIM	
90Sr	BBI/BBIM	*
90Y	BBI/BBIM	
93mNb	BBI/BBIM	
93Zr	BBI/BBIM	
99Tc	BBI/BBIM	*
Ag+	Normalized TRAC/BBIM	*
Al3+	BBI/BBIM	*
As5+	Normalized TRAC/BBIM	*
B3+	Normalized TRAC/BBIM	*
Ba2+	Normalized TRAC/BBIM	*
Be2+	Normalized TRAC/BBIM	*
Bi3+	BBI/BBIM	*
Ca2+	BBI/BBIM	*
Cd2+	Normalized TRAC/BBIM	*
Ce3+	Normalized TRAC/BBIM	*
Cl-	BBI/BBIM	*
CN-	HDW, Rev. 4	*
Co3+	Normalized TRAC/BBIM	*
CO ₃ 2- (TIC)	BBI/BBIM	*
Cr (TOTAL)	BBI/BBIM	*
Cs+	Approximate % of 137Cs	*
Cu2+	Normalized TRAC/BBIM	*
F-	BBI/BBIM	*
Fe3+	BBI/BBIM	*
H ₂ O	Various	
Hg2+	BBI/BBIM	*
K+	BBI/BBIM	*
La3+	BBI/BBIM	*
Li+	Normalized TRAC/BBIM	*
Mg2+	Normalized TRAC/BBIM	*
Mn4+	BBI/BBIM	*
Mo6+	Normalized TRAC/BBIM	*
Na+	BBI/BBIM	*
Nd3+	BBIM	*
NH ₃	HDW, Rev. 4	*
Ni2+	BBI/BBIM	*

Table B1-1 Summary Table of Analyte Sources

Analyte	Source	In Contract
NO ₂₋	BBI/BBIM	*
NO ₃₋	BBI/BBIM	*
OH- (TOTAL)	BBI/BBIM, split using TCD/ESP	
Pb2+	BBI/BBIM	*
Pd2+	BBIM	*
PO ₄ 3-	BBI/BBIM	*
Pr3+	(No source)	*
Pu4+	Not tracked separately (sum of Pu isotopes)	*
Rb+	Normalized TRAC	*
Rh3+	Normalized TRAC/BBIM	*
Ru3+	Normalized TRAC/BBIM	*
Sb5+	Normalized TRAC/BBIM	*
Se6+	Normalized TRAC/BBIM	*
Si4+	BBI/BBIM	*
SO ₄ 2-	BBI/BBIM	*
Sr2+ /Sr (Total)	BBI/BBIM Sr total – Sr radionuclides	*
Ta5+	BBIM	*
Tc7+	Not tracked separately (all Tc is ⁹⁹ Tc)	*
Te6+	Normalized TRAC/BBIM	*
Th4+	BBIM	*
Ti4+	Normalized TRAC/BBIM	*
Tl3+	Normalized TRAC/BBIM	*
TOC	BBI/BBIM	*
TRU	Calculate from radionuclides	*
U / U (Total)	BBI/BBIM U total – U radioisotopes	*
V5+	Normalized TRAC/BBIM	*
W6+	Normalized TRAC	*
Y3+	(No source)	*
Zn2+	Normalized TRAC/BBIM	*
Zr4+	BBI/BBIM	*

TRAC = Track Radioactive Constituents (for single-shell tanks only), an early system for estimating radioactive waste inventories.

BBI = Best-Basis Inventory - a compilation of total tank inventories
for all 177 waste tanks.

BBIM = Best-Basis Inventory Maintenance tool - a database tool
used to calculate the BBI; the BBIM contains additional
information for the analyte inventories of the waste
layers/phases within a tank.

B1.1 BEST-BASIS INVENTORY

Total inventories are available for all 177 Hanford waste tanks. Data used for the development of these inventories are primarily from one or more of the following sources: sample data, process data (primarily from the HDW model Rev. 4), or engineering assessment. There are two primary types of engineering assessment: evaluation of sampling data from a group of tanks of the same waste type and evaluation of process flowsheet data. The tank volumes used to create the inventories are primarily the tank volumes at the time the tank was sampled. The BBIs are updated as new sample data become available. The decay date of the best-basis inventory radionuclide values is January 1, 1994.

These data are the starting point of the RPP Tank Inventory. As the data are not in a format directly usable for RPP O&UP assessments, other data sources must be used to convert the data into a usable product. Tables B1-2 and B1-3 contain all the BBI data.

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 1 of 20)

Analyte (kg)	A-101	A-102	A-103	A-104	A-105	A-106	AN-101	AN-102	AN-103
Al	1.47E+05	7.02E+03	3.36E+04	8.06E+03	1.14E+04	1.67E+04	4.18E+03	6.29E+04	2.24E+05
Bi	0.00E+00	2.65E+02	1.84E+02	0.00E+00	0.00E+00	1.34E+02	0.00E+00	0.00E+00	2.67E+02
Ca	7.80E+02	4.19E+02	3.24E+03	1.74E+03	2.15E+03	3.87E+03	3.86E+00	2.68E+03	4.80E+02
Cl	2.41E+04	2.03E+03	1.02E+04	5.88E+01	1.65E+02	5.85E+03	1.08E+03	1.53E+04	2.88E+04
TIC as CO ₃	1.69E+05	5.54E+03	3.81E+04	1.47E+03	3.22E+03	1.59E+04	6.57E+03	2.79E+05	9.24E+04
Cr	5.42E+03	1.86E+03	2.87E+03	7.67E+01	7.47E+01	3.71E+03	9.15E+01	1.81E+03	2.76E+03
F	1.55E+03	7.31E+01	1.57E+03	6.28E-01	0.00E+00	2.03E+02	2.12E+02	7.43E+03	3.55E+03
Fe	1.38E+03	4.29E+03	1.54E+03	2.95E+04	2.65E+04	1.93E+04	1.67E+00	1.04E+03	1.90E+02
K	2.58E+04	7.53E+02	5.14E+03	2.58E+01	3.96E+01	1.65E+03	1.50E+03	1.54E+04	4.86E+04
La	9.78E+00	2.70E+01	0.00E+00	0.00E+00	0.00E+00	7.55E+01	0.00E+00	0.00E+00	6.19E+00
Mn	1.10E+02	7.06E+02	2.10E+02	4.13E+03	8.96E+02	1.04E+03	1.72E+00	3.89E+02	2.67E+01
Na	9.54E+05	4.03E+04	4.08E+05	1.34E+04	7.60E+04	8.94E+04	5.01E+04	1.02E+06	1.10E+06
Ni	2.11E+02	1.20E+02	2.45E+02	8.56E+02	7.54E+02	4.58E+02	1.72E+00	1.65E+03	5.36E+01
NO ₂	4.60E+05	2.19E+04	1.40E+05	3.08E+03	5.96E+03	6.10E+04	1.80E+04	3.30E+05	4.97E+05
NO ₃	8.18E+05	3.44E+04	2.22E+05	1.03E-05	8.45E-13	5.73E+04	3.69E+04	9.01E+05	7.27E+05
OHTOTAL	4.60E+05	2.51E+04	1.85E+05	5.41E+04	9.24E+04	1.66E+04	2.34E+04	2.61E+05	7.96E+05
Pb	5.00E+02	3.31E+02	6.89E+02	1.05E+00	0.00E+00	7.65E+02	8.36E+00	8.20E+02	4.00E+02
PO ₄	2.47E+04	2.85E+03	1.26E+04	1.89E+02	0.00E+00	3.94E+04	7.51E+02	1.96E+04	9.03E+03
Si	2.57E+03	2.62E+03	2.08E+04	2.47E+03	6.71E+03	2.82E+04	1.81E+01	7.63E+02	2.17E+03
SO ₄	3.99E+04	1.18E+03	3.40E+04	6.80E+02	2.74E+03	3.29E+03	9.65E+02	6.49E+04	1.14E+04
Sr	4.04E+01	1.65E+01	2.44E+01	7.18E+01	1.25E+02	3.81E+01	1.72E+00	1.71E+01	2.67E+01
TOC	1.95E+04	2.78E+03	1.53E+04	0.00E+00	0.00E+00	4.91E+03	6.18E+02	1.07E+05	1.05E+04
UTOTAL	1.60E+03	5.72E+03	2.68E+03	4.83E+01	3.55E+00	5.89E+02	6.40E+00	8.81E+02	1.41E+02
Zr	8.82E+01	2.46E+02	3.70E+02	3.55E-04	0.00E+00	8.83E+02	2.02E-01	3.15E+02	2.71E+01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 2 of 20)

Analyte (kg)	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103	AP-104	AP-105
Al	1.41E+05	1.64E+05	9.41E+02	3.14E+04	4.17E+04	4.77E+04	8.02E+03	4.07E+00	7.12E+04
Bi	9.96E+01	2.32E+02	0.00E+00	2.34E+02	0.00E+00	0.00E+00	6.01E+01	0.00E+00	0.00E+00
Ca	6.92E+02	1.48E+03	5.91E+00	2.44E+03	1.67E+02	3.32E+02	6.01E+01	1.12E+01	2.63E+02
Cl	2.97E+04	3.85E+04	4.95E+02	7.95E+03	5.68E+03	1.13E+04	2.70E+03	1.14E+01	1.85E+04
TIC as CO ₃	1.84E+05	1.98E+05	3.54E+03	3.17E+05	6.03E+04	1.11E+05	9.31E+04	2.88E+02	8.36E+04
Cr	4.87E+03	6.95E+03	4.66E+01	1.33E+03	4.67E+02	2.57E+03	3.66E+02	1.68E+00	9.76E+02
F	2.22E+03	5.22E+03	5.71E+02	1.42E+04	9.90E+03	6.97E+02	1.47E+03	1.11E+01	1.91E+04
Fe	3.60E+02	3.19E+02	3.20E+01	1.23E+04	1.67E+01	1.59E+01	3.01E+01	4.91E-02	9.75E+01
K	2.43E+04	2.54E+04	1.26E+03	6.97E+03	7.73E+04	5.35E+03	1.25E+04	8.40E-01	3.71E+04
La	7.04E+00	1.18E+01	2.54E-01	1.48E+02	0.00E+00	7.42E+00	1.86E+00	0.00E+00	0.00E+00
Mn	5.70E+01	4.65E+01	9.46E+01	2.53E+03	0.00E+00	2.29E+02	6.01E+00	9.83E-03	2.04E+01
Na	1.07E+06	1.10E+06	1.33E+04	8.07E+05	6.31E+05	4.23E+05	1.78E+05	4.46E+02	5.82E+05
Ni	1.80E+02	1.32E+02	7.78E+01	2.10E+03	2.72E+01	1.10E+02	1.25E+02	3.20E-02	5.06E+01
NO ₂	4.45E+05	4.73E+05	3.54E+03	2.57E+05	1.74E+05	1.49E+05	9.82E+04	1.07E+02	3.46E+05
NO ₃	6.88E+05	7.05E+05	1.13E+04	9.20E+05	5.67E+05	3.15E+05	1.21E+05	2.57E+02	7.98E+05
OHTOTAL	5.67E+05	6.00E+05	3.93E+03	3.78E+04	3.00E+05	1.60E+05	2.31E+04	0.00E+00	1.44E+05
Pb	2.42E+02	2.51E+02	2.61E+01	1.70E+03	1.35E+01	1.36E+01	6.01E+01	0.00E+00	1.60E+02
PO ₄	1.68E+04	1.82E+04	1.36E+03	1.58E+04	4.29E+03	4.81E+04	2.16E+03	6.46E+01	1.13E+04
Si	2.18E+03	9.87E+02	2.02E+02	2.94E+02	3.62E+02	1.99E+00	1.04E+02	1.98E+00	4.36E+02
SO ₄	3.88E+04	2.75E+04	7.18E+02	3.63E+04	1.48E+04	1.88E+04	4.22E+03	5.50E+01	2.25E+04
Sr	9.96E+00	2.32E+01	0.00E+00	2.83E+01	1.42E-02	1.44E-01	6.01E+00	1.98E-04	3.39E-01
TOC	1.93E+04	3.73E+04	6.50E+02	1.63E+05	1.36E+04	1.36E+04	4.62E+03	1.16E+01	8.14E+03
UTOTAL	4.61E+02	2.59E+02	4.21E+02	6.04E+02	1.09E+02	1.88E+01	2.61E+00	3.36E+00	1.33E+02
Zr	6.07E+01	4.05E+01	3.14E+01	4.32E+02	7.50E+01	1.16E+02	6.15E+00	0.00E+00	1.78E+01

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 3 of 20)

Analyte (kg)	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105	AW-106
Al	1.31E+03	2.63E+04	1.19E+04	1.29E+05	5.36E+03	1.27E+04	6.02E+04	3.58E+03	3.43E+04
Bi	2.06E-01	6.58E+01	1.77E+01	6.97E+01	3.83E+01	7.72E+02	0.00E+00	0.00E+00	0.00E+00
Ca	3.27E+00	5.36E+01	2.42E+01	7.39E+02	9.46E+01	1.80E+03	3.76E+03	1.33E+03	4.99E+02
Cl	2.42E+02	8.09E+03	3.69E+03	2.27E+04	1.30E+03	1.83E+03	1.13E+04	6.25E+02	8.95E+03
TIC as CO ₃	5.25E+03	3.34E+04	1.40E+04	8.49E+04	1.90E+04	1.73E+04	1.77E+05	1.05E+04	1.75E+05
Cr	2.13E+01	2.22E+03	1.05E+03	1.00E+03	9.72E+02	3.19E+03	2.74E+03	1.78E+03	4.90E+03
F	8.98E+02	2.27E+03	1.38E+03	7.22E+03	3.43E+02	1.24E+05	3.52E+04	6.32E+04	2.48E+03
Fe	1.41E+00	4.47E+01	2.14E+01	7.83E+02	6.96E+01	1.65E+03	6.57E+03	4.22E+03	3.54E+02
K	3.02E+03	5.14E+03	4.43E+03	1.51E+05	1.16E+03	3.10E+04	2.39E+04	1.03E+04	2.28E+04
La	0.00E+00	1.67E+01	3.87E+00	8.76E+00	1.38E+01	1.72E+03	0.00E+00	3.50E+02	0.00E+00
Mn	2.32E-01	5.36E+00	2.33E+00	4.64E+02	1.16E+01	5.40E+02	2.15E+03	2.96E+03	6.00E+01
Na	1.77E+04	2.38E+05	1.01E+05	1.06E+06	4.14E+04	2.96E+05	5.46E+05	1.39E+05	3.82E+05
Ni	1.01E+00	8.50E+00	3.98E+00	1.21E+02	5.53E+01	3.58E+02	2.81E+03	3.18E+02	3.38E+02
NO ₂	4.75E+03	9.09E+04	4.29E+04	4.30E+05	1.93E+04	2.99E+04	2.05E+05	9.91E+03	1.71E+05
NO ₃	1.57E+04	2.79E+05	9.39E+04	7.41E+05	2.53E+04	8.61E+04	3.30E+05	5.07E+04	2.52E+05
OHTOTAL	6.28E+03	8.70E+04	4.17E+04	6.54E+05	1.27E+04	2.85E+05	2.31E+05	1.15E+05	1.02E+05
Pb	3.13E+00	5.21E+01	2.37E+01	3.84E+02	2.06E+01	3.61E+03	3.53E+01	4.40E+02	1.51E+02
PO ₄	4.19E+02	6.43E+03	5.52E+03	8.02E+03	3.41E+03	5.82E+03	4.42E+03	2.03E+03	1.80E+04
Si	2.27E+01	1.16E+02	7.52E+01	1.44E+03	9.81E+01	5.83E+03	2.39E+03	2.60E+03	6.82E+02
SO ₄	8.03E+02	1.20E+04	7.12E+03	1.01E+04	3.37E+03	3.98E+03	1.78E+04	2.88E+03	2.08E+04
Sr	2.32E-01	4.95E+00	1.97E+00	1.34E+00	5.55E+00	3.61E+02	2.88E-02	1.75E+01	3.15E+01
TOC	3.42E+02	2.14E+03	1.31E+03	1.78E+04	1.85E+03	1.10E+04	2.08E+04	7.90E+03	1.25E+04
UTOTAL	5.15E+00	5.28E+01	3.35E+01	2.53E+03	1.72E+02	6.53E+04	2.42E+04	4.06E+04	8.19E+02
Zr	4.94E-01	5.28E+00	2.60E+00	1.90E+02	1.79E+01	2.21E+05	1.14E+03	8.32E+04	8.96E+01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 4 of 20)

Analyte (kg)	AX-101	AX-102	AX-103	AX-104	AY-101	AY-102	AZ-101	AZ-102	B-101
Al	1.31E+05	3.26E+03	1.70E+04	2.70E+03	2.15E+04	3.49E+04	4.90E+04	3.09E+04	1.62E+04
Bi	0.00E+00	2.13E+01	5.08E+01	0.00E+00	2.81E+01	7.09E+00	0.00E+00	0.00E+00	2.00E+03
Ca	6.90E+02	3.40E+02	3.94E+02	6.19E+02	1.17E+03	3.30E+03	5.66E+02	1.11E+03	1.23E+03
Cl	2.27E+04	1.24E+02	3.30E+03	1.60E+01	3.00E+02	1.65E+03	6.42E+02	3.18E+01	2.49E+02
TIC as CO ₃	1.42E+05	1.14E+04	4.27E+04	3.86E+02	1.42E+04	1.21E+05	1.08E+05	1.27E+05	2.82E+03
Cr	3.43E+03	1.37E+02	2.57E+03	2.95E+01	4.99E+02	1.46E+03	2.65E+03	3.95E+03	3.48E+02
F	1.38E+03	3.42E+01	6.89E+02	5.16E+00	2.44E+02	6.32E+02	6.10E+03	3.66E+03	1.52E+02
Fe	3.36E+03	4.05E+03	4.71E+03	1.39E+04	5.38E+03	6.16E+04	2.32E+04	4.84E+04	1.47E+03
K	1.93E+04	1.95E+02	2.06E+03	8.84E+01	2.22E+02	1.08E+03	1.57E+04	1.11E+04	8.33E+02
La	0.00E+00	0.00E+00	9.77E+01	7.51E+01	8.38E+02	6.33E+02	8.83E+02	1.67E+03	0.00E+00
Mn	5.82E+01	3.69E+02	6.36E+02	2.40E+02	8.72E+02	8.31E+03	7.05E+02	1.06E+03	0.00E+00
Na	8.39E+05	2.87E+04	1.27E+05	2.20E+03	4.71E+04	1.08E+05	3.54E+05	1.99E+05	1.57E+05
Ni	1.36E+02	2.11E+02	2.83E+02	4.33E+02	1.14E+02	8.20E+02	1.36E+03	3.29E+03	2.99E+03
NO ₂	4.34E+05	5.08E+03	5.91E+04	1.15E+02	1.90E+04	1.25E+04	2.10E+05	1.03E+05	3.40E+04
NO ₃	6.87E+05	3.46E+04	7.13E+04	2.34E+03	1.17E+04	9.90E+02	2.43E+05	7.94E+04	1.14E+05
OHTOTAL	4.14E+05	9.26E+03	5.91E+04	1.97E+04	6.06E+04	1.21E+05	2.10E+05	1.65E+05	9.37E+04
Pb	3.99E+02	3.46E+01	5.64E+02	4.74E+02	2.52E+02	2.22E+03	4.55E+02	4.03E+02	1.24E+03
PO ₄	1.76E+04	3.17E+02	3.39E+03	1.28E+02	3.77E+03	1.14E+04	4.75E+03	4.57E+02	4.39E+03
Si	5.63E+02	1.12E+03	1.26E+03	4.44E+01	4.45E+02	8.51E+03	1.37E+03	3.43E+03	8.75E+02
SO ₄	3.59E+04	6.38E+02	1.07E+04	2.42E+02	3.07E+03	3.94E+03	5.84E+04	6.18E+04	2.98E+04
Sr	2.13E+01	2.60E+00	5.36E+01	4.87E+01	5.14E+01	1.14E+02	1.17E+02	1.22E+02	1.23E+02
TOC	1.43E+04	7.21E+03	3.15E+03	1.15E+02	1.58E+03	1.38E+04	6.05E+03	6.24E+03	3.11E+02
UTOTAL	1.29E+03	2.49E+02	2.75E+02	1.68E+02	2.07E+02	3.15E+03	2.47E+03	9.58E+03	3.32E+03
Zr	6.16E+01	7.24E+01	2.27E+02	2.02E+02	3.07E+01	8.39E+02	8.22E+03	6.72E+03	1.23E+02

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 5 of 20)

Analyte (kg)	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
Al	5.65E+03	7.99E+03	3.57E+03	7.41E+02	3.45E+03	2.78E+04	3.03E+04	5.70E+04	1.42E+03
Bi	7.01E+02	9.88E+02	2.21E+04	7.17E+03	4.28E+03	1.05E+04	3.59E+03	2.71E+03	2.33E+04
Ca	4.29E+02	6.07E+02	6.36E+02	1.88E+03	1.08E+03	5.46E+02	1.04E+03	1.67E+03	1.02E+03
Cl	2.11E+02	2.98E+02	4.09E+03	1.57E+03	9.24E+02	9.96E+02	5.00E+02	7.52E+02	1.55E+03
TIC as CO ₃	9.78E+02	3.41E+03	1.12E+04	6.28E+03	9.27E+02	6.40E+03	3.17E+03	6.79E+03	5.67E+03
Cr	1.22E+02	1.72E+02	9.94E+02	1.04E+02	2.40E+02	2.85E+02	2.18E+02	1.77E+03	1.02E+03
F	1.02E+04	1.44E+04	6.71E+03	7.73E+03	2.62E+03	2.50E+04	1.36E+04	2.39E+04	2.40E+03
Fe	5.18E+02	7.28E+02	2.09E+04	2.59E+03	8.80E+03	1.59E+04	4.34E+03	3.75E+03	2.28E+04
K	2.88E+02	4.11E+02	4.16E+02	3.14E+02	2.36E+02	6.98E+02	3.64E+02	4.59E+02	3.93E+02
La	0.00E+00	4.01E+01							
Mn	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E+01	1.06E+02	1.03E+02	0.00E+00	8.42E+01
Na	5.47E+04	7.73E+04	2.27E+05	1.40E+05	6.73E+04	1.63E+05	9.19E+04	1.79E+05	1.23E+05
Ni	4.61E+01	1.05E+02	2.00E+02	2.50E+02	2.97E+01	3.94E+01	1.21E+02	1.74E+02	2.34E+01
NO ₂	2.00E+03	2.84E+03	4.75E+03	3.63E+04	4.54E+03	3.41E+03	6.34E+03	7.14E+03	1.30E+04
NO ₃	2.38E+04	3.36E+04	1.96E+05	1.31E+05	1.14E+05	1.51E+05	4.02E+04	8.27E+04	2.36E+05
OHTOTAL	1.08E+04	1.40E+04	5.01E+04	1.02E+04	4.23E+03	4.45E+04	6.06E+04	1.30E+05	- 5.79E+03
Pb	4.34E+02	6.14E+02	0.00E+00	0.00E+00	2.01E+02	5.14E+02	8.46E+02	1.61E+03	6.66E+02
PO ₄	2.16E+04	3.06E+04	1.01E+05	6.58E+04	4.42E+04	7.64E+04	5.52E+04	7.32E+04	6.22E+04
Si	3.06E+02	4.32E+02	1.10E+04	1.11E+03	1.51E+03	5.84E+03	1.69E+03	2.88E+03	1.18E+04
SO ₄	3.74E+04	5.28E+04	4.24E+04	2.09E+04	1.01E+04	8.65E+04	3.79E+04	8.43E+04	1.45E+04
Sr	4.29E+01	6.07E+01	2.50E-01	1.65E-01	2.20E+02	1.21E+02	1.73E+02	2.08E-01	2.66E+02
TOC	1.41E+01	2.50E+02	7.41E-01	1.38E+00	1.01E+03	7.78E+02	2.87E+02	1.55E+03	4.80E+02
UTOTAL	1.17E+03	1.64E+03	3.72E+03	9.79E+03	7.30E+03	2.23E+03	3.75E+03	1.43E+04	2.62E+02
Zr	4.29E+01	6.07E+01	1.38E+01	7.74E+00	4.09E+01	1.33E+02	9.32E+01	1.59E+02	7.88E+00

Table B1-2. Best-Basis Chemical Inventory. (Sheet 6 of 20)

Analyte (kg)	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103
Al	9.55E+02	1.61E+02	5.37E+02	6.73E+01	1.20E+01	1.44E+01	3.17E+04	6.61E+03	1.35E+04
Bi	2.15E+04	3.07E+03	1.30E+04	3.44E+03	9.58E+03	1.07E+04	1.52E+02	1.38E+02	3.06E+02
Ca	7.32E+02	1.19E+02	1.67E+03	6.26E+02	5.10E+01	6.71E+01	5.23E+02	1.72E+03	2.46E+03
Cl	1.08E+03	1.79E+02	2.26E+02	1.07E+02	1.98E+02	1.55E+02	2.98E+02	1.02E+01	7.07E+01
TIC as CO ₃	2.37E+04	2.13E+03	2.15E+03	1.21E+03	7.41E+02	2.72E+03	6.86E+03	1.02E+04	2.40E+04
Cr	1.18E+03	1.52E+02	4.64E+02	3.45E+02	7.08E+02	7.13E+02	1.75E+03	1.54E+03	3.46E+03
F	1.66E+03	2.75E+02	8.00E+02	7.72E+02	1.79E+03	1.58E+03	2.44E+02	0.00E+00	7.24E+00
Fe	1.88E+04	2.84E+03	2.02E+03	5.65E+02	1.01E+03	8.39E+02	1.76E+03	2.40E+03	2.36E+03
K	7.16E+02	4.95E+01	7.97E+02	9.26E+02	1.18E+03	1.30E+03	3.14E+02	2.62E+02	6.31E+02
La	1.20E+01	3.08E+00	2.07E+03	1.31E+03	2.39E+03	2.29E+03	0.00E+00	0.00E+00	0.00E+00
Mn	8.38E+01	1.16E+01	3.14E+03	1.20E+03	3.26E+03	3.26E+03	4.24E+02	2.67E+02	5.91E+02
Na	1.02E+05	1.54E+04	5.24E+03	4.58E+03	6.66E+03	5.88E+03	2.05E+04	1.97E+04	4.68E+04
Ni	2.20E+01	2.98E+00	5.89E+01	2.56E+01	4.20E+01	5.15E+01	4.48E+01	2.63E+01	5.95E+01
NO ₂	4.78E+04	4.39E+03	1.21E+02	1.04E+02	1.68E+02	1.60E+02	6.90E+03	2.15E+02	1.46E+03
NO ₃	8.72E+04	2.14E+04	6.77E+03	7.60E+03	1.47E+04	1.18E+04	1.36E+04	5.95E+03	1.59E+04
OHTOTAL	- 8.87E+02	6.33E+02	8.20E+03	3.68E+03	6.61E+03	4.28E+03	7.11E+04	8.86E+03	1.70E+04
Pb	1.67E+03	2.49E+02	1.87E+02	5.94E+01	1.09E+02	0.00E+00	2.60E+02	1.01E+02	2.24E+02
PO ₄	5.18E+04	5.81E+03	2.29E+03	8.73E+02	2.50E+03	1.57E+03	2.35E+03	1.09E+04	2.43E+04
Si	1.11E+04	1.57E+03	2.77E+03	2.04E+02	2.13E+02	2.36E+02	5.18E+02	4.85E+04	1.65E+04
SO ₄	1.23E+04	1.83E+03	4.78E+01	1.90E+02	1.61E+02	1.46E+02	4.96E+02	7.72E+02	2.02E+03
Sr	2.32E+02	3.41E+01	1.27E+02	5.54E+01	1.13E+02	8.61E+01	1.40E+01	1.01E+01	2.23E+01
TOC	9.30E+02	9.97E+01	3.24E+02	3.65E+02	1.78E+01	4.73E+03	1.45E+03	4.98E+02	1.22E+03
UTOTAL	2.09E+02	3.21E+01	2.14E+01	3.99E+01	4.41E+01	1.42E+01	1.06E+04	7.88E+02	1.75E+03
Zr	1.53E+01	1.64E+00	7.27E+00	3.42E-01	7.24E-01	0.00E+00	3.63E+02	6.00E+01	1.33E+02

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 7 of 20)

Analyte (kg)	BX-104	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112
Al	7.24E+04	1.01E+04	7.97E+03	2.68E+04	1.00E+03	2.68E+03	3.09E+04	1.18E+04	1.10E+04
Bi	3.47E+02	2.27E+02	1.82E+02	4.18E+04	1.26E+03	1.61E+03	2.68E+04	2.22E+03	1.42E+04
Ca	1.20E+03	1.83E+03	1.46E+03	7.43E+02	2.93E+02	3.28E+03	2.60E+03	4.36E+02	2.04E+03
Cl	7.49E+02	3.65E+02	2.45E+02	2.14E+03	1.81E+02	1.43E+03	2.07E+03	6.40E+02	8.58E+02
TIC as CO ₃	1.67E+04	8.14E+03	5.71E+03	2.18E+03	4.42E+02	1.60E+04	1.66E+04	7.95E+03	8.77E+03
Cr	4.08E+03	2.54E+03	2.03E+03	1.82E+03	6.51E+01	1.48E+02	5.50E+03	1.93E+03	1.05E+03
F	5.65E+02	2.66E+02	1.51E+02	1.72E+04	5.49E+02	3.48E+02	1.66E+04	4.13E+03	8.70E+03
Fe	4.02E+03	1.75E+03	1.40E+03	2.08E+04	2.57E+03	2.37E+04	2.04E+04	2.65E+03	7.69E+03
K	7.45E+02	4.79E+02	3.44E+02	4.93E+02	2.63E+01	2.05E+02	9.48E+02	9.83E+02	3.33E+02
La	0.00E+00	0.00E+00	0.00E+00	1.50E+01	0.00E+00	0.00E+00	1.83E+02	0.00E+00	0.00E+00
Mn	9.68E+02	4.39E+02	3.51E+02	1.21E+02	1.69E+01	1.61E+02	2.55E+02	5.31E+01	2.62E+02
Na	5.05E+04	3.47E+04	2.59E+04	1.91E+05	1.50E+04	1.14E+05	2.64E+05	2.14E+05	6.68E+04
Ni	9.94E+01	4.50E+01	3.47E+01	2.29E+01	8.21E+00	3.52E+01	1.55E+02	1.03E+02	9.60E+01
NO ₂	1.74E+04	8.34E+03	5.71E+03	1.52E+04	2.29E+03	1.96E+04	2.41E+04	1.06E+04	2.09E+04
NO ₃	3.47E+04	1.20E+04	7.83E+03	2.57E+05	2.48E+04	2.09E+05	3.48E+05	3.63E+05	6.14E+04
OHTOTAL	1.63E+05	1.53E+04	1.22E+04	3.74E+04	1.73E+03	3.02E+03	5.81E+04	5.46E+04	1.04E+04
Pb	5.95E+02	1.67E+02	1.33E+02	1.18E+02	6.33E+01	7.22E+02	4.52E+02	1.08E+02	1.02E+00
PO ₄	5.50E+03	1.81E+04	1.44E+04	1.34E+05	9.64E+03	6.90E+04	1.61E+05	3.22E+04	4.81E+04
Si	1.18E+03	1.22E+04	9.79E+03	1.27E+04	4.36E+02	6.03E+02	1.10E+04	1.38E+03	6.82E+03
SO ₄	1.23E+03	5.89E+02	4.13E+02	2.51E+04	2.33E+03	1.90E+04	9.84E+03	3.61E+03	5.29E+03
Sr	3.21E+01	1.66E+01	1.33E+01	3.15E+02	6.23E+01	6.40E+02	4.82E+02	9.54E+01	1.07E+02
TOC	3.38E+03	9.96E+02	6.56E+02	1.50E+03	8.03E+01	4.43E+02	1.68E+03	9.98E+02	7.79E+02
UTOTAL	2.41E+04	1.29E+03	1.04E+03	9.07E+03	1.74E+03	1.77E+04	8.79E+03	1.15E+03	8.47E+02
Zr	8.03E+02	9.87E+01	7.90E+01	2.55E+02	7.42E+00	2.88E+00	2.00E+02	2.24E+01	6.35E+01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 8 of 20)

Analyte (kg)	BY-101	BY-102	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109
Al	5.07E+04	6.76E+04	5.49E+04	6.50E+04	7.75E+04	1.21E+05	7.45E+04	5.19E+04	5.99E+04
Bi	5.22E+03	9.97E+01	1.74E+02	6.33E+01	1.02E+03	1.97E+02	8.13E+01	6.45E+02	2.53E+02
Ca	5.08E+03	5.52E+02	1.19E+03	2.68E+03	3.90E+04	6.34E+03	3.48E+03	4.39E+03	5.73E+02
Cl	4.64E+03	2.54E+03	4.39E+03	5.01E+03	3.86E+03	7.29E+03	5.29E+03	2.01E+03	2.36E+03
TIC as CO ₃	1.89E+05	2.19E+05	2.48E+05	1.60E+05	1.59E+05	1.48E+05	8.23E+04	3.48E+04	2.95E+04
Cr	3.64E+03	2.98E+03	3.84E+03	9.89E+03	2.06E+03	5.22E+03	6.58E+03	3.32E+02	2.89E+03
F	1.33E+04	2.83E+04	1.24E+04	1.00E+04	7.48E+03	1.82E+04	7.40E+03	8.61E+03	7.42E+04
Fe	1.27E+04	9.65E+02	1.92E+03	8.83E+03	1.10E+04	2.20E+04	9.40E+03	9.37E+03	2.21E+03
K	4.18E+03	3.06E+03	4.37E+03	7.32E+03	3.74E+03	8.74E+03	6.68E+03	3.45E+03	3.73E+03
La	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	2.42E+02	7.00E+01	2.29E+02	1.67E+02	1.82E+02	3.39E+01	1.19E+02	2.72E+02	5.84E+02
Na	4.61E+05	4.30E+05	5.49E+05	4.75E+05	7.37E+05	8.31E+05	4.84E+05	2.12E+05	3.71E+05
Ni	6.32E+03	1.89E+02	3.81E+02	2.51E+03	2.93E+03	1.92E+04	7.50E+03	3.27E+03	3.01E+02
NO ₂	6.54E+04	2.52E+04	6.08E+04	7.54E+04	5.24E+04	1.14E+05	8.55E+04	3.56E+04	4.53E+04
NO ₃	6.62E+05	1.57E+05	8.48E+05	5.64E+05	1.42E+06	1.16E+06	4.22E+05	2.62E+05	1.16E+05
OHTOTAL	9.35E+04	1.82E+05	7.94E+04	1.86E+05	1.72E+05	3.68E+05	2.82E+05	1.28E+05	1.33E+05
Pb	8.81E+02	1.46E+02	2.54E+02	4.10E+02	4.66E+02	2.28E+02	6.29E+02	5.72E+02	2.76E+02
PO ₄	4.80E+04	4.27E+04	2.10E+04	2.42E+04	4.49E+04	5.91E+04	4.75E+04	4.03E+04	1.33E+05
Si	3.35E+03	6.85E+03	2.80E+03	9.37E+02	2.37E+04	6.51E+02	2.37E+03	1.99E+03	9.31E+03
SO ₄	3.23E+04	9.12E+04	3.48E+04	3.74E+04	2.33E+04	4.00E+04	3.14E+04	3.05E+04	1.22E+05
Sr	2.47E+03	1.14E+02	1.71E+02	5.03E+03	5.02E+03	1.57E+02	2.69E+03	4.16E+03	1.76E+02
TOC	1.26E+04	6.93E+03	9.90E+03	1.47E+04	9.48E+03	2.20E+04	8.50E+03	5.84E+03	1.20E+04
UTOTAL	8.06E+03	6.71E+02	1.62E+03	7.06E+03	9.48E+03	5.81E+02	8.54E+03	1.23E+04	2.00E+03
Zr	1.42E+02	1.55E+01	5.97E+01	2.85E+01	2.91E+01	4.01E+02	9.51E+01	4.52E+01	9.27E+01

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 9 of 20)

Analyte (kg)	BY-110	BY-111	BY-112	C-101	C-102	C-103	C-104	C-105	C-106
Al	4.55E+04	6.82E+04	2.93E+04	2.03E+04	9.70E+04	8.73E+03	8.06E+04	3.22E+04	9.70E+03
Bi	1.11E+02	0.00E+00	0.00E+00	2.75E+02	4.19E+03	4.70E+02	2.83E+00	3.43E+02	1.39E+00
Ca	9.54E+03	8.40E+02	3.28E+03	2.51E+03	8.33E+03	6.69E+03	3.43E+03	4.06E+03	2.52E+02
Cl	6.67E+03	2.97E+03	1.85E+03	2.30E+02	2.51E+03	3.71E+02	9.67E+02	1.94E+02	1.19E+02
TIC as CO ₃	3.36E+05	2.66E+05	3.27E+05	6.84E+03	1.24E+05	2.37E+04	6.38E+04	5.15E+03	4.53E+04
Cr	7.13E+03	5.62E+03	2.81E+04	3.29E+02	8.83E+02	3.95E+02	1.80E+03	6.85E+02	1.30E+02
F	1.34E+04	2.62E+04	1.51E+04	0.00E+00	6.50E+03	9.93E+02	3.66E+04	0.00E+00	9.24E+01
Fe	1.42E+04	1.63E+04	4.76E+03	7.41E+03	1.46E+04	5.23E+04	4.20E+04	5.52E+03	1.20E+04
K	5.64E+03	4.65E+03	2.74E+03	3.58E+02	1.90E+03	9.39E+02	1.87E+03	8.50E+02	2.74E+02
La	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+02	5.07E-02	5.51E+01	1.70E+02	1.42E+01
Mn	2.45E+02	2.92E+02	4.70E+02	8.25E+02	2.51E+03	1.51E+03	7.17E+03	1.29E+03	4.13E+02
Na	5.70E+05	6.57E+05	5.37E+05	4.51E+04	1.35E+05	4.10E+04	1.99E+05	5.73E+04	4.43E+04
Ni	4.49E+03	2.88E+02	7.80E+03	7.09E+02	1.09E+04	1.74E+03	3.23E+03	1.12E+03	1.17E+02
NO ₂	8.74E+04	3.87E+04	3.28E+04	5.32E+03	2.20E+04	1.79E+04	4.45E+04	1.64E+04	6.40E+03
NO ₃	4.34E+05	4.17E+05	1.18E+05	3.74E+04	6.74E+04	2.77E+03	3.01E+04	1.14E+04	5.79E+02
OHTOTAL	1.39E+05	1.62E+05	2.14E+05	3.91E+04	1.44E+05	7.47E+04	3.17E+05	7.75E+04	2.59E+04
Pb	1.42E+03	2.23E+02	1.26E+03	3.63E+02	1.40E+03	2.14E+03	1.16E+03	4.89E+02	4.47E+02
PO ₄	4.80E+04	5.46E+04	2.67E+04	2.53E+04	1.47E+04	7.16E+03	5.96E+03	5.39E+03	1.83E+03
Si	1.63E+03	9.41E+04	3.91E+03	1.29E+04	5.89E+04	6.37E+03	1.18E+04	2.08E+04	4.70E+03
SO ₄	4.79E+04	9.38E+04	4.02E+04	1.01E+03	5.68E+03	2.65E+03	5.39E+03	8.75E+02	1.88E+03
Sr	4.33E+03	1.73E+02	3.52E+00	6.02E+01	1.14E+02	7.77E+01	1.18E+02	9.58E+01	7.81E+00
TOC	1.86E+04	1.66E+04	1.37E+04	4.76E+02	1.88E+03	5.10E+03	1.40E+04	1.02E+03	4.07E+03
UTOTAL	1.43E+04	2.64E+04	1.00E+04	5.13E+03	1.55E+04	3.39E+03	3.45E+04	6.78E+03	3.88E+02
Zr	4.08E+01	2.36E+01	1.39E+01	2.32E+02	8.94E+03	7.50E+03	9.11E+04	4.35E+02	1.39E+02

Table B1-2. Best-Basis Chemical Inventory. (Sheet 10 of 20)

Analyte (kg)	C-107	C-108	C-109	C-110	C-111	C-112	C-201	C-202	C-203
Al	3.94E+04	1.82E+04	2.43E+04	1.41E+04	3.59E+04	1.18E+04	5.21E+01	2.72E+01	9.41E+01
Bi	1.73E+04	2.22E+03	4.93E+02	1.64E+04	4.63E+02	7.40E+02	0.00E+00	0.00E+00	0.00E+00
Ca	1.58E+03	4.45E+03	5.52E+03	1.14E+03	3.29E+03	1.60E+04	2.37E+02	1.23E+02	4.27E+02
Cl	8.08E+02	2.54E+02	2.12E+02	1.06E+03	1.94E+02	7.34E+02	6.62E+00	9.40E+00	1.18E+02
TIC as CO ₃	8.03E+03	5.10E+03	7.88E+03	1.02E+04	1.96E+03	1.28E+04	9.18E+02	9.80E+02	1.18E+03
Cr	9.32E+02	9.40E+01	7.23E+01	4.59E+02	3.23E+01	1.88E+02	4.38E+00	2.29E+00	7.91E+00
F	7.75E+03	1.32E+03	2.02E+02	7.41E+03	3.60E+02	4.70E+02	2.38E+01	2.18E+01	2.94E+01
Fe	4.58E+04	2.51E+03	5.41E+03	1.07E+04	1.54E+04	1.62E+04	2.02E+03	1.05E+03	3.65E+03
K	2.76E+02	7.44E+01	1.57E+02	5.46E+02	4.66E+01	4.06E+02	1.30E+01	6.80E+00	2.35E+01
La	1.13E+02	0.00E+00	1.27E+01	0.00E+00	1.21E+02	3.86E+01	2.28E+01	1.19E+01	4.12E+01
Mn	1.82E+03	3.80E+01	3.70E+01	5.17E+01	8.62E+01	1.92E+02	3.26E-01	1.71E-01	0.00E+00
Na	8.01E+04	3.29E+04	2.54E+04	8.08E+04	7.58E+03	7.66E+04	8.79E+02	4.59E+02	1.59E+03
Ni	1.52E+03	2.94E+03	4.05E+03	2.36E+01	5.81E+03	9.16E+03	2.60E+02	1.36E+02	4.71E+02
NO ₂	2.07E+04	8.65E+03	1.18E+04	6.72E+03	5.33E+03	3.62E+04	7.95E+01	2.03E+02	5.88E+01
NO ₃	5.17E+04	1.56E+04	1.16E+04	1.07E+05	1.09E+04	4.83E+04	4.31E+02	6.10E+02	2.24E+03
OHTOTAL	1.00E+05	3.74E+04	5.44E+04	1.16E+04	8.12E+04	5.73E+04	2.28E+03	6.72E+02	2.29E+03
Pb	2.26E+03	0.00E+00	9.71E+02	2.52E+02	1.61E+03	1.42E+03	1.85E+03	9.63E+02	3.33E+03
PO ₄	7.01E+04	2.87E+04	1.62E+04	6.10E+04	9.55E+03	5.85E+04	1.90E+01	1.04E+01	1.53E+03
Si	1.08E+04	1.35E+03	1.95E+03	6.99E+03	2.50E+03	1.65E+03	1.22E+02	6.35E+01	2.20E+02
SO ₄	5.63E+03	2.92E+03	2.23E+03	1.45E+04	8.24E+02	9.29E+03	2.17E+01	2.87E+01	1.51E+02
Sr	1.40E+02	2.31E-01	1.09E+02	1.27E+02	5.50E+01	2.07E+02	2.27E-02	3.57E-01	2.24E-01
TOC	3.99E+03	4.38E+02	8.24E+02	6.60E+02	2.03E+02	1.46E+03	2.83E+02	2.55E+02	2.33E+03
UTOTAL	3.86E+03	1.47E+02	3.73E+03	2.09E+03	4.24E+03	3.64E+04	2.16E+00	1.13E+00	3.91E+00
Zr	1.70E+03	2.39E+00	1.37E+00	1.68E+02	2.89E+01	1.89E+01	0.00E+00	0.00E+00	0.00E+00

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 11 of 20)

Analyte (kg)	C-204	S-101	S-102	S-103	S-104	S-105	S-106	S-107	S-108
Al	3.96E+01	2.10E+05	3.73E+04	3.42E+04	2.14E+05	4.35E+04	4.24E+04	1.21E+05	5.14E+04
Bi	0.00E+00	1.25E+02	1.63E+02	9.19E+01	0.00E+00	2.06E+02	2.87E+02	1.21E+02	1.68E+02
Ca	1.80E+02	8.55E+02	1.15E+03	3.38E+02	7.72E+03	7.92E+02	2.91E+02	1.19E+03	6.23E+02
Cl	4.94E+01	9.30E+03	9.53E+03	7.51E+03	5.84E+03	1.08E+04	7.19E+03	5.07E+03	1.07E+04
TIC as CO ₃	9.66E+02	4.87E+04	5.50E+04	5.32E+04	7.56E+03	2.16E+04	7.93E+04	2.61E+04	1.15E+05
Cr	3.32E+00	1.88E+04	5.82E+03	6.44E+03	4.29E+03	1.52E+04	1.34E+04	8.61E+03	1.34E+04
F	1.24E+01	6.09E+02	9.74E+03	2.11E+03	2.65E+02	1.75E+04	5.45E+03	3.49E+04	6.81E+03
Fe	1.53E+03	3.53E+03	1.72E+03	1.61E+03	3.14E+03	4.59E+03	3.90E+03	5.61E+03	3.65E+03
K	9.89E+00	2.51E+03	2.41E+03	2.18E+03	5.48E+02	3.10E+03	1.71E+03	1.31E+03	2.63E+03
La	1.73E+01	3.75E+00	7.77E+01	3.63E+01	0.00E+00	1.12E+02	0.00E+00	1.75E+00	7.27E+01
Mn	0.00E+00	3.99E+03	7.76E+02	5.09E+02	2.10E+03	1.93E+03	1.47E+02	1.38E+03	1.31E+03
Na	6.67E+02	3.96E+05	4.27E+05	2.87E+05	2.21E+05	5.10E+05	5.06E+05	2.11E+05	5.47E+05
Ni	1.98E+02	2.33E+02	6.39E+01	1.78E+02	1.02E+02	4.37E+02	6.96E+01	3.12E+03	2.97E+02
NO ₂	2.47E+01	1.32E+05	9.44E+04	8.73E+04	4.73E+04	1.61E+05	6.53E+04	7.54E+04	1.32E+05
NO ₃	8.16E+02	4.28E+05	6.28E+05	3.64E+05	3.49E+05	4.58E+05	8.67E+05	1.41E+05	7.20E+05
OHTOTAL	- 4.04E+02	5.06E+05	8.22E+04	9.50E+04	4.63E+05	1.84E+05	1.19E+05	2.76E+05	1.42E+05
Pb	1.40E+03	1.35E+02	1.95E+02	1.39E+02	4.75E+01	5.37E+02	1.58E+02	2.90E+02	3.20E+02
PO ₄	1.53E+03	1.13E+04	9.89E+04	2.63E+04	5.21E+02	9.50E+04	5.28E+04	5.27E+04	6.99E+04
Si	9.48E+01	3.48E+03	1.27E+03	1.13E+03	2.43E+03	5.57E+03	1.10E+03	5.32E+03	1.96E+03
SO ₄	8.58E+01	1.90E+04	1.84E+04	1.62E+04	4.14E+03	3.85E+04	1.89E+04	5.93E+03	3.66E+04
Sr	1.72E-02	7.57E+02	1.67E+01	2.67E+01	7.74E+02	2.52E+01	1.40E+01	5.88E+02	5.15E+01
TOC	2.36E+03	5.16E+03	8.95E+03	6.66E+03	2.77E+03	2.50E+04	5.05E+03	4.15E+03	1.10E+04
UTOTAL	1.64E+00	1.21E+04	4.98E+03	8.75E+02	1.22E+04	2.66E+03	7.85E+02	1.67E+04	2.01E+03
Zr	0.00E+00	5.90E+01	4.29E+01	3.48E+01	6.13E+01	1.32E+02	1.63E+01	2.37E+04	8.53E+01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 12 of 20)

Analyte (kg)	S-109	S-110	S-111	S-112	SX-101	SX-102	SX-103	SX-104	SX-105
Al	1.90E+04	1.61E+05	2.24E+05	5.21E+04	1.74E+05	9.33E+04	2.08E+05	1.50E+05	1.46E+05
Bi	3.04E+02	1.75E+03	1.41E+02	2.36E+02	0.00E+00	2.26E+02	0.00E+00	1.69E+02	2.49E+02
Ca	2.46E+02	7.52E+02	3.87E+02	9.09E+02	1.59E+02	6.08E+02	7.76E+02	7.98E+02	8.96E+02
Cl	9.36E+02	5.98E+03	8.42E+03	1.23E+04	2.23E+04	1.68E+04	1.94E+04	1.16E+04	1.85E+04
TIC as CO ₃	6.00E+04	8.46E+04	9.35E+04	3.44E+04	1.89E+04	1.15E+05	1.06E+05	8.97E+04	8.47E+04
Cr	5.33E+03	1.72E+04	1.29E+04	1.74E+04	2.97E+04	1.59E+04	1.39E+04	1.20E+04	7.95E+03
F	1.32E+03	1.76E+03	1.99E+03	1.99E+04	7.57E+02	8.58E+02	9.39E+02	5.16E+03	8.59E+02
Fe	3.41E+03	6.67E+03	3.40E+02	5.27E+03	4.12E+03	2.43E+03	4.54E+03	4.58E+03	4.09E+03
K	4.66E+03	1.54E+03	2.22E+03	3.54E+03	2.87E+03	5.88E+03	7.36E+03	2.98E+03	6.90E+03
La	0.00E+00	1.12E+02	3.88E+00	1.28E+02	0.00E+00	1.77E+01	0.00E+00	6.83E+01	1.75E+01
Mn	5.45E+01	1.78E+03	1.19E+02	2.23E+03	2.18E+03	1.16E+03	2.54E+03	2.27E+03	2.02E+03
Na	6.24E+05	4.70E+05	4.60E+05	5.84E+05	5.55E+05	6.29E+05	7.00E+05	5.21E+05	6.63E+05
Ni	6.84E+02	2.11E+02	6.86E+01	5.01E+02	0.00E+00	2.44E+02	3.33E+02	1.13E+03	3.14E+02
NO ₂	1.14E+04	6.56E+04	8.86E+04	1.84E+05	9.23E+04	2.52E+05	2.92E+05	1.43E+05	3.01E+05
NO ₃	1.45E+06	6.96E+05	5.26E+05	5.25E+05	7.41E+05	6.57E+05	8.33E+05	6.72E+05	6.52E+05
OHTOTAL	7.31E+04	3.96E+05	5.14E+05	2.09E+05	5.07E+05	2.91E+05	5.01E+05	3.51E+05	4.07E+05
Pb	1.50E+03	1.79E+02	1.21E+02	6.13E+02	0.00E+00	2.02E+02	2.79E+02	2.84E+02	2.50E+02
PO ₄	3.09E+04	1.07E+04	2.50E+04	1.08E+05	1.38E+04	1.62E+04	1.50E+04	5.07E+04	2.81E+04
Si	9.77E+02	2.32E+03	6.20E+02	6.38E+03	7.05E+02	1.14E+03	1.83E+03	2.47E+03	1.51E+03
SO ₄	2.00E+04	2.05E+04	3.23E+04	4.39E+04	5.72E+03	3.47E+04	3.49E+04	2.60E+04	2.58E+04
Sr	0.00E+00	5.52E+02	1.65E+01	3.94E+01	6.50E+00	4.59E+01	1.16E+02	2.40E+02	3.52E+01
TOC	1.51E+03	6.96E+03	4.76E+03	2.86E+04	3.21E+03	1.09E+04	1.36E+04	8.80E+03	9.90E+03
UTOTAL	1.41E+02	8.22E+03	6.38E+02	3.23E+03	3.14E+03	1.58E+03	1.56E+03	4.78E+03	1.54E+03
Zr	2.73E+01	6.01E+01	1.34E+01	1.52E+02	0.00E+00	1.04E+02	4.64E+01	1.05E+02	8.53E+01

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 13 of 20)

Analyte (kg)	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112	SX-113	SX-114
Al	4.71E+04	6.98E+04	3.70E+04	1.21E+05	4.16E+04	8.19E+04	7.23E+04	1.58E+03	1.07E+05
Bi	1.27E+02	3.14E+01	4.30E+01	5.41E+01	1.76E+01	3.45E+01	3.05E+01	1.35E+00	3.92E+01
Ca	4.11E+02	1.84E+02	3.69E+03	4.86E+03	1.11E+02	2.19E+02	1.93E+02	2.65E+02	1.17E+03
Cl	1.64E+04	1.63E+03	1.24E+03	3.98E+03	9.85E+02	1.94E+03	1.71E+03	3.19E+01	2.75E+03
TIC as CO ₃	4.99E+04	2.84E+03	5.52E+03	1.81E+04	1.72E+03	3.39E+03	2.99E+03	5.57E+01	6.99E+03
Cr	6.58E+03	1.32E+03	4.90E+03	2.12E+04	7.98E+02	1.57E+03	1.39E+03	2.58E+01	5.49E+03
F	1.03E+03	8.27E+01	2.50E+02	3.12E+02	4.99E+01	9.83E+01	8.68E+01	1.62E+00	1.60E+02
Fe	1.42E+03	1.11E+03	9.91E+03	1.11E+04	6.70E+02	1.32E+03	1.16E+03	3.99E+03	3.49E+03
K	4.39E+03	2.97E+02	3.64E+02	9.99E+02	1.79E+02	3.53E+02	3.12E+02	2.25E+02	5.53E+02
La	4.36E+01	0.00E+00	9.16E+01	1.69E-06	2.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	5.49E+02	9.15E+02	3.24E+03	3.92E+03	5.52E+02	1.09E+03	9.58E+02	1.07E+02	2.50E+03
Na	4.12E+05	6.73E+04	5.53E+04	2.52E+05	4.06E+04	8.00E+04	7.06E+04	1.32E+03	1.30E+05
Ni	1.16E+02	8.20E+01	8.88E+02	1.24E+03	4.88E+01	9.61E+01	8.48E+01	1.58E+00	3.41E+02
NO ₂	1.81E+05	2.09E+04	9.05E+03	4.51E+04	1.26E+04	2.49E+04	2.20E+04	4.09E+02	3.41E+04
NO ₃	4.79E+05	8.43E+04	8.56E+04	4.12E+05	5.09E+04	1.00E+05	8.84E+04	1.65E+03	1.83E+05
OHTOTAL	1.49E+05	1.52E+05	1.02E+05	3.14E+05	9.08E+04	1.79E+05	1.58E+05	-	1.38E+04
Pb	1.49E+02	2.28E+01	2.45E+02	2.59E+02	1.38E+01	2.71E+01	2.40E+01	2.00E+00	3.61E+01
PO ₄	2.21E+04	1.19E+03	1.43E+03	1.74E+03	7.17E+02	1.41E+03	1.25E+03	2.32E+01	1.93E+03
Si	1.46E+03	8.60E+02	4.37E+02	2.52E+03	5.19E+02	1.02E+03	9.02E+02	1.76E+04	1.48E+03
SO ₄	1.12E+04	1.02E+03	3.97E+03	6.87E+03	6.19E+02	1.22E+03	1.07E+03	2.00E+01	2.48E+03
Sr	1.21E+01	2.89E+02	3.22E+02	2.07E+02	1.74E+02	3.43E+02	3.03E+02	5.64E+00	3.90E+02
TOC	7.76E+03	6.95E+02	0.00E+00	8.53E+02	7.19E+02	1.41E+03	1.25E+03	2.33E+01	1.61E+03
UTOTAL	5.06E+02	5.29E+03	6.51E+03	1.69E+04	3.19E+03	6.29E+03	5.55E+03	1.03E+02	9.68E+03
Zr	2.75E+01	4.60E+01	1.48E+02	3.30E+01	2.78E+01	5.47E+01	4.83E+01	3.99E+00	1.19E+02

Table B1-2. Best-Basis Chemical Inventory. (Sheet 14 of 20)

Analyte (kg)	SX-115	SY-101	SY-102	SY-103	T-101	T-102	T-103	T-104	T-105
Al	4.11E+03	2.19E+05	3.74E+04	1.45E+05	9.10E+04	3.85E+04	3.30E+04	2.30E+04	2.61E+04
Bi	4.37E+00	0.00E+00	5.37E+02	0.00E+00	1.44E+01	1.26E+02	2.70E+01	2.65E+04	3.35E+03
Ca	2.07E+02	2.41E+03	8.24E+02	9.45E+02	1.76E+03	9.51E+01	8.46E+02	9.73E+02	4.10E+02
Cl	2.10E+02	5.62E+04	9.06E+03	3.14E+04	2.16E+02	7.03E+01	5.78E+01	1.11E+03	2.09E+02
TIC as CO ₃	4.11E+02	2.52E+05	3.02E+04	9.46E+04	1.36E+04	3.69E+03	1.83E+03	7.56E+02	9.43E+03
Cr	8.01E+02	2.46E+04	7.08E+03	2.20E+04	1.39E+02	1.88E+02	4.09E+01	1.30E+03	3.74E+02
F	5.40E+01	7.08E+03	1.56E+03	3.36E+03	6.70E+01	4.20E+01	8.89E-01	1.25E+04	2.49E+02
Fe	2.00E+03	2.07E+03	5.18E+03	5.84E+03	3.45E+03	2.33E+03	1.67E+03	1.28E+04	9.43E+03
K	7.33E+01	2.27E+04	3.52E+03	1.29E+04	1.48E+02	4.91E+00	1.59E+01	1.33E+02	2.59E+02
La	1.41E+01	0.00E+00	4.10E+01	1.00E+02	5.28E+00	0.00E+00	0.00E+00	2.97E+00	2.02E+01
Mn	7.02E+02	1.19E+03	1.72E+03	1.15E+03	1.02E+01	1.23E+02	8.00E+01	8.69E+01	4.04E+03
Na	1.20E+04	1.38E+06	2.25E+05	7.19E+05	7.03E+04	7.21E+03	3.75E+03	9.66E+04	3.45E+04
Ni	1.37E+02	1.03E+03	8.73E+01	2.90E+02	1.62E+01	8.75E+00	7.30E+00	1.60E+01	4.02E+01
NO ₂	8.64E+02	7.42E+05	1.02E+05	3.77E+05	1.57E+04	2.16E+03	1.25E+03	6.64E+03	1.82E+04
NO ₃	1.36E+04	8.50E+05	2.16E+05	5.04E+05	1.22E+05	9.87E+03	3.21E+03	9.25E+04	1.27E+04
OHTOTAL	1.60E+04	6.97E+05	1.12E+05	4.47E+05	1.86E+05	7.64E+04	6.63E+04	2.41E+04	6.94E+04
Pb	2.75E+01	1.16E+03	4.41E+02	6.30E+02	2.33E+02	2.47E+02	4.50E+01	6.97E+01	2.38E+02
PO ₄	2.72E+01	4.45E+04	2.32E+04	4.06E+04	4.15E+03	8.05E+02	1.57E+02	1.09E+05	2.29E+03
Si	1.28E+02	1.23E+04	5.97E+02	1.07E+02	1.10E+03	4.17E+02	3.89E+02	9.18E+03	1.93E+03
SO ₄	3.57E+02	2.65E+04	1.71E+04	1.70E+04	7.26E+02	4.43E+02	2.16E+02	5.95E+03	5.26E+03
Sr	6.54E+01	3.04E+00	2.63E+01	8.60E+00	2.83E+00	2.25E+00	6.50E-01	1.40E+02	7.24E+01
TOC	8.80E+01	1.03E+05	5.63E+03	3.79E+04	2.34E+02	1.06E+02	5.70E+01	8.49E+02	1.89E+03
UTOTAL	5.98E+02	2.64E+02	6.09E+02	1.67E+03	1.86E+04	5.80E+03	4.23E+03	1.35E+03	3.01E+03
Zr	5.00E+01	1.28E+02	3.41E+01	1.23E+02	0.00E+00	5.53E+00	0.00E+00	9.47E+01	2.34E+01

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 15 of 20)

Analyte (kg)	T-106	T-107	T-108	T-109	T-110	T-111	T-112	T-201	T-202
Al	1.47E+04	1.62E+04	2.16E+03	4.78E+02	2.03E+03	1.23E+03	1.49E+03	1.41E+01	7.12E+00
Bi	1.02E+03	1.11E+04	1.77E+03	6.50E+01	2.29E+04	5.62E+04	8.37E+03	1.66E+04	4.04E+03
Ca	1.95E+02	1.48E+03	1.91E+02	1.24E+02	1.34E+03	5.23E+03	5.50E+02	1.73E+02	3.06E+01
Cl	1.01E+02	5.41E+02	2.05E+02	1.30E+02	1.15E+03	9.72E+02	1.38E+02	1.51E+02	6.83E+01
TIC as CO ₃	4.14E+02	1.46E+04	1.40E+03	3.98E+03	1.08E+04	8.77E+03	1.44E+03	5.65E+02	1.03E+03
Cr	5.97E+01	3.50E+02	7.28E+01	1.53E+01	1.48E+03	4.28E+03	6.31E+02	7.46E+02	3.71E+02
F	5.80E+02	1.14E+04	2.74E+03	4.97E+03	2.53E+03	4.97E+03	5.82E+02	7.08E+02	6.47E+02
Fe	1.34E+03	3.12E+04	3.18E+03	2.10E+03	1.66E+04	4.00E+04	4.76E+03	1.37E+03	7.51E+02
K	1.13E+01	3.13E+02	6.19E+01	1.03E+02	1.03E+03	2.46E+03	3.84E+02	6.71E+02	7.04E+02
La	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E+02	9.12E+03	1.40E+03	3.47E+03	1.24E+03
Mn	1.70E+01	2.20E+02	4.34E+01	3.94E+02	8.01E+02	1.37E+04	1.74E+03	6.18E+03	1.46E+03
Na	9.67E+03	1.29E+05	4.46E+04	7.62E+04	8.76E+04	7.99E+04	2.11E+04	4.50E+03	3.54E+03
Ni	8.22E+00	2.89E+02	1.93E+01	0.00E+00	7.17E+01	2.85E+02	4.33E+01	8.79E+01	1.30E+01
NO ₂	1.17E+03	1.17E+04	1.82E+03	1.88E+02	1.05E+04	1.94E+03	9.22E+03	4.38E+01	5.18E+01
NO ₃	3.56E+03	7.46E+04	6.68E+04	7.95E+03	1.12E+05	8.90E+04	5.65E+03	6.74E+03	6.47E+03
OHTOTAL	3.19E+04	5.38E+04	1.46E+03	-	4.98E+01	1.75E+04	5.27E+04	1.63E+04	1.46E+04
Pb	3.78E+02	7.87E+02	1.28E+02	1.16E+02	9.34E+02	7.89E+02	1.16E+02	2.96E+01	5.72E+00
PO ₄	3.99E+03	1.13E+05	2.95E+04	9.40E+04	3.49E+04	6.89E+04	3.66E+03	1.95E+03	7.22E+02
Si	5.13E+02	6.00E+03	9.28E+02	3.40E+02	8.12E+03	1.23E+04	2.56E+03	2.59E+02	1.84E+02
SO ₄	6.06E+02	9.86E+03	1.89E+03	1.97E+02	1.18E+04	7.97E+03	2.88E+03	3.86E+01	1.09E+02
Sr	4.05E+01	9.51E+02	6.23E+01	6.00E-02	2.88E+02	6.48E+02	9.11E+01	1.56E+02	4.90E+01
TOC	6.38E+01	1.68E+03	2.03E-01	5.13E-01	1.59E+03	6.74E+03	1.01E+03	4.24E+01	3.42E+01
UTOTAL	9.81E+02	2.24E+04	1.48E+03	1.91E+02	1.48E+03	7.67E+03	9.28E+02	8.13E+00	1.01E+01
Zr	1.17E+01	1.12E+02	1.17E+01	4.66E+00	7.82E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 16 of 20)

Analyte (kg)	T-203	T-204	TX-101	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107
Al	9.18E+00	9.33E+00	5.19E+04	3.85E+04	2.73E+04	2.86E+04	1.08E+05	6.05E+04	1.03E+04
Bi	7.94E+03	8.96E+03	8.30E+00	2.90E+02	7.34E+01	3.82E+01	2.59E+02	4.62E+02	7.06E+00
Ca	5.64E+01	3.58E+01	1.58E+02	4.16E+02	3.01E+02	1.10E+02	1.17E+03	6.54E+02	6.81E+01
Cl	1.07E+02	1.17E+02	1.61E+03	7.30E+03	5.18E+03	1.39E+03	2.05E+04	1.15E+04	1.07E+03
TIC as CO ₃	1.29E+03	1.22E+03	6.58E+03	7.56E+04	5.41E+04	1.21E+04	2.12E+05	1.19E+05	9.98E+03
Cr	6.18E+02	7.81E+02	1.06E+03	1.83E+03	1.30E+03	9.50E+02	5.14E+03	2.88E+03	3.39E+02
F	1.03E+03	1.03E+03	2.20E+02	2.69E+03	2.09E+03	5.43E+02	7.54E+03	4.22E+03	3.53E+02
Fe	1.11E+03	7.03E+02	8.61E+02	1.03E+03	2.01E+02	6.09E+02	2.89E+03	1.62E+03	2.19E+02
K	1.12E+03	1.06E+03	3.56E+02	2.37E+03	1.68E+03	4.73E+02	6.66E+03	3.73E+03	3.30E+02
La	1.91E+03	2.00E+03	1.27E-01	0.00E+00	2.81E+00	1.10E+01	0.00E+00	0.00E+00	0.00E+00
Mn	2.62E+03	2.45E+03	6.78E+02	3.31E+02	2.48E+02	1.32E+02	9.29E+02	5.20E+02	1.14E+02
Na	5.67E+03	5.53E+03	6.61E+04	2.94E+05	2.13E+05	5.39E+04	8.26E+05	4.62E+05	4.32E+04
Ni	2.41E+01	4.21E+01	6.59E+01	1.27E+02	9.03E+01	4.69E+00	3.57E+02	2.00E+02	2.27E+01
NO ₂	4.81E+01	4.94E+01	1.77E+04	4.29E+04	3.05E+04	1.31E+04	1.20E+05	6.74E+04	7.17E+03
NO ₃	1.05E+04	9.60E+03	8.64E+04	4.29E+05	3.10E+05	1.08E+05	1.20E+06	6.74E+05	6.19E+04
OHTOTAL	6.69E+03	6.60E+03	1.14E+05	9.31E+04	6.53E+04	4.97E+04	2.61E+05	1.48E+05	2.37E+04
Pb	3.39E+00	5.39E+01	2.78E+01	1.52E+02	4.87E+01	2.83E+01	5.33E+02	2.42E+02	3.71E+00
PO ₄	1.19E+03	1.41E+03	1.50E+03	1.07E+04	1.01E+04	5.95E+03	3.01E+04	1.68E+04	1.47E+03
Si	2.61E+02	2.61E+02	6.34E+02	2.33E+02	1.90E+02	1.01E+02	6.54E+02	3.66E+02	9.71E+01
SO ₄	7.14E+01	6.32E+01	2.10E+03	2.28E+04	1.64E+04	7.15E+02	6.39E+04	3.58E+04	3.02E+03
Sr	9.08E+01	8.68E+01	2.08E+02	1.70E+00	5.07E-01	2.20E+00	4.10E+00	2.73E+00	4.18E-02
TOC	6.86E+01	5.43E+01	1.63E+03	1.29E+04	9.13E+03	4.75E+02	3.61E+04	2.02E+04	1.75E+03
UTOTAL	1.02E+01	1.10E+01	3.84E+03	5.42E+02	3.96E+02	2.75E+02	1.52E+03	3.99E+03	4.82E+02
Zr	0.00E+00	0.00E+00	6.95E-01	2.71E+01	1.73E+01	5.47E+00	6.74E+01	3.77E+01	6.60E-01

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Table B1-2. Best-Basis Chemical Inventory. (Sheet 17 of 20)

Analyte (kg)	TX-108	TX-109	TX-110	TX-111	TX-112	TX-113	TX-114	TX-115	TX-116
Al	2.28E+04	3.32E+04	7.86E+04	6.17E+04	1.11E+05	9.10E+04	8.49E+04	1.01E+05	6.94E+04
Bi	6.95E+01	3.06E+04	3.13E+03	3.57E+03	3.37E+02	1.48E+04	6.89E+02	1.21E+02	8.71E+02
Ca	3.49E+02	3.00E+03	1.10E+03	9.64E+02	1.25E+03	2.24E+03	1.05E+03	1.09E+03	1.13E+03
Cl	4.36E+03	1.24E+03	1.44E+04	1.11E+04	2.12E+04	1.49E+04	1.62E+04	1.91E+04	1.10E+04
TIC as CO ₃	4.46E+04	1.56E+04	1.50E+05	1.16E+05	2.21E+05	1.55E+05	1.74E+05	1.98E+05	1.60E+05
Cr	1.09E+03	1.28E+03	3.71E+03	2.90E+03	5.29E+03	4.19E+03	4.03E+03	4.79E+03	9.66E+02
F	1.60E+03	2.04E+04	7.23E+03	6.34E+03	9.41E+03	1.50E+04	1.01E+04	7.03E+03	1.19E+04
Fe	1.54E+03	4.12E+04	3.33E+03	6.17E+03	1.69E+03	1.38E+04	2.64E+03	3.61E+03	7.05E+04
K	1.40E+03	4.12E+02	4.69E+03	3.62E+03	6.91E+03	4.83E+03	5.35E+03	6.21E+03	3.88E+03
La	0.00E+00								
Mn	2.00E+02	2.89E+02	6.76E+02	5.31E+02	1.07E+03	7.84E+02	1.01E+03	8.66E+02	1.76E+03
Na	1.78E+05	1.98E+05	5.96E+05	4.66E+05	8.86E+05	6.69E+05	7.36E+05	7.70E+05	7.96E+05
Ni	7.80E+01	3.08E+02	2.79E+02	2.26E+02	3.66E+02	3.96E+02	2.89E+02	3.33E+02	2.19E+02
NO ₂	2.59E+04	1.62E+04	8.56E+04	6.65E+04	1.24E+05	9.15E+04	9.46E+04	1.12E+05	1.40E+04
NO ₃	2.59E+05	1.36E+05	8.53E+05	6.61E+05	1.29E+06	9.02E+05	1.07E+06	1.12E+06	1.72E+06
OHTOTAL	5.51E+04	7.37E+04	1.87E+05	1.49E+05	2.63E+05	2.09E+05	1.95E+05	2.44E+05	- 2.42E+05
Pb	9.23E+01	8.60E+02	3.00E+02	2.18E+02	5.40E+02	9.26E+02	3.35E+02	4.20E+02	1.05E+03
PO ₄	9.43E+03	1.93E+05	3.96E+04	3.78E+04	5.54E+04	1.13E+05	8.46E+04	2.80E+04	4.48E+04
Si	1.57E+02	1.28E+04	1.69E+03	1.79E+03	8.94E+02	6.56E+03	1.18E+03	6.10E+02	3.23E+05
SO ₄	1.40E+04	1.40E+04	4.59E+04	3.59E+04	6.75E+04	5.12E+04	5.44E+04	5.96E+04	9.95E+04
Sr	2.08E+01	1.08E+03	9.86E+01	1.13E+02	4.26E+00	5.33E+02	1.38E+01	3.84E+00	1.61E+00
TOC	7.61E+03	2.31E+03	2.54E+04	1.96E+04	3.70E+04	2.62E+04	2.80E+04	3.37E+04	2.87E+03
UTOTAL	6.91E+02	2.39E+04	3.36E+03	3.50E+03	1.66E+03	1.86E+03	1.67E+03	1.42E+03	2.51E+03
Zr	1.52E+01	1.84E+02	6.47E+01	5.68E+01	7.14E+01	1.34E+02	5.95E+01	6.29E+01	5.87E+01

Table B1-2. Best-Basis Chemical Inventory. (Sheet 18 of 20)

Analyte (kg)	TX-117	TX-118	TY-101	TY-102	TY-103	TY-104	TY-105	TY-106	U-101
Al	7.34E+04	8.50E+04	2.13E+04	1.88E+02	2.98E+03	2.67E+03	2.56E+03	6.01E+02	1.48E+04
Bi	5.76E+02	7.04E+01	1.99E+04	1.81E+01	2.72E+04	5.24E+03	5.12E+02	4.60E+01	0.00E+00
Ca	1.35E+03	2.67E+03	3.24E+03	1.15E+02	5.05E+03	1.76E+03	8.37E+03	2.42E+02	3.95E+01
Cl	1.39E+04	9.00E+03	5.55E+02	1.23E+03	1.19E+03	2.05E+02	2.20E+03	1.32E+02	3.49E+02
TIC as CO ₃	1.67E+05	9.55E+04	5.84E+03	1.63E+04	6.33E+03	5.50E+03	1.96E+04	1.10E+02	6.10E+02
Cr	3.47E+03	2.23E+03	6.16E+03	2.62E+01	9.89E+02	4.15E+02	1.78E+02	1.25E+01	2.83E+02
F	1.66E+04	3.58E+03	2.47E+03	2.15E+03	1.43E+03	1.57E+03	0.00E+00	0.00E+00	1.77E+01
Fe	6.31E+03	1.43E+04	2.94E+04	3.99E+02	2.40E+04	9.59E+03	2.80E+04	4.02E+03	2.38E+02
K	4.68E+03	2.88E+03	1.24E+02	4.27E+02	3.89E+02	3.14E+01	4.00E+02	1.06E+00	6.37E+01
La	0.00E+00	1.48E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	1.40E+03	4.21E+02	4.09E+02	1.61E+01	1.68E+02	5.09E+02	2.01E+02	4.86E+01	1.96E+02
Na	8.25E+05	3.67E+05	8.89E+04	9.38E+04	1.15E+05	3.33E+04	1.54E+05	9.21E+03	1.44E+04
Ni	2.58E+02	9.00E+02	3.73E+03	7.52E+00	2.34E+03	4.38E+02	1.13E+02	5.99E+00	1.73E+01
NO ₂	8.21E+04	5.15E+04	8.52E+03	7.34E+03	4.33E+04	3.59E+03	7.73E+03	6.16E+02	4.49E+03
NO ₃	1.22E+06	5.38E+05	1.06E+05	1.50E+05	1.53E+05	1.37E+04	2.38E+05	1.49E+04	1.81E+04
OHTOTAL	1.28E+05	1.97E+05	4.56E+04	5.44E+03	1.72E+04	3.14E+04	- 1.45E+04	9.66E+03	3.22E+04
Pb	8.35E+02	1.12E+02	1.64E+02	2.91E+01	5.21E+02	1.70E+02	5.12E+02	3.37E+01	4.90E+00
PO ₄	1.87E+05	1.80E+04	5.68E+04	1.33E+04	8.01E+04	5.01E+03	1.59E+05	5.18E+03	2.55E+02
Si	1.96E+04	3.27E+02	2.83E+04	9.88E+01	5.68E+03	3.74E+02	4.92E+02	1.16E+04	1.84E+02
SO ₄	5.75E+04	2.78E+04	4.02E+03	5.95E+03	9.87E+03	1.54E+03	8.83E+03	1.51E+03	2.20E+02
Sr	2.10E+00	1.18E+00	4.33E+01	4.51E+00	2.04E+02	4.91E+01	7.92E+02	1.35E+01	6.18E+01
TOC	2.37E+04	1.54E+04	4.86E+02	1.49E+02	1.19E+03	5.68E+02	1.08E+03	2.01E+02	2.55E+02
UTOTAL	1.71E+03	6.71E+02	1.71E+03	8.02E+01	1.85E+04	5.74E+03	7.22E+03	7.23E+02	1.13E+03
Zr	5.93E+01	2.92E+01	2.82E+02	3.71E+00	2.46E+02	5.33E+01	0.00E+00	5.68E+01	9.86E+00

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 1 of 20)

Analyte	Units	A-101	A-102	A-103	A-104	A-105	A-106	AN-101	AN-102	AN-103
3H	Ci	7.31E+02	3.30E+01	3.00E+02	6.06E-01	2.82E+01	8.65E+01	5.73E+01	4.56E+00	1.33E+01
14C	Ci	1.15E+02	2.84E-01	4.94E+00	1.18E+00	5.25E+00	1.32E+01	7.86E+00	3.26E+00	1.05E+02
59Ni	Ci	7.16E+00	7.17E+00	3.66E+00	1.18E+01	2.60E+01	7.65E+01	4.86E-01	1.15E+01	7.58E+00
60Co	Ci	1.95E+02	8.61E+01	4.94E+01	4.95E+02	7.24E+00	1.63E+01	2.45E+00	7.60E+02	1.39E+02
63Ni	Ci	7.03E+02	7.06E+02	3.60E+02	1.16E+03	2.61E+03	7.53E+03	4.75E+01	1.14E+03	7.47E+02
79Se	Ci	1.19E+01	4.35E+00	5.22E+00	5.34E+00	2.46E+01	4.25E+01	7.93E-01	3.25E+00	1.23E+01
90Sr	Ci	1.52E+05	1.27E+05	1.60E+05	2.94E+06	5.10E+06	7.13E+05	2.70E+01	3.68E+05	8.80E+03
90Y	Ci	1.52E+05	1.27E+05	1.60E+05	2.94E+06	5.10E+06	7.13E+05	2.70E+01	3.68E+05	8.80E+03
93Zr	Ci	5.81E+01	1.91E+01	2.53E+01	2.24E+01	1.13E+02	1.84E+02	3.88E+00	1.03E+02	5.96E+01
93mNb	Ci	4.23E+01	1.61E+01	1.86E+01	2.03E+01	8.49E+01	1.58E+02	2.85E+00	7.38E+01	4.38E+01
99Tc	Ci	8.69E+02	2.47E+01	2.36E+02	8.30E+00	3.72E+01	9.71E+01	5.76E+01	5.69E+02	7.00E+02
106Ru	Ci	2.56E-02	3.09E-02	1.08E-02	1.33E-03	7.23E-02	2.92E-01	1.49E-03	4.85E-02	5.33E-02
113mCd	Ci	3.08E+02	4.91E+01	1.29E+02	1.53E+01	4.85E+02	3.86E+02	1.97E+01	5.65E+02	3.02E+02
125Sb	Ci	6.51E+02	3.00E+01	2.73E+02	4.99E+02	5.13E+02	7.36E+01	3.94E+01	1.26E+03	8.65E+02
126Sn	Ci	1.80E+01	6.95E+00	7.94E+00	8.71E+00	3.84E+01	6.83E+01	1.20E+00	3.15E+01	1.88E+01
129I	Ci	1.68E+00	9.62E-03	4.41E-02	1.60E-02	7.20E-02	1.88E-01	1.11E-01	3.17E+00	1.51E+00
134Cs	Ci	1.26E+01	6.81E-01	5.33E+00	5.31E+00	1.72E+00	2.32E+00	1.45E+00	6.19E+01	1.89E+02
137Cs	Ci	1.25E+06	2.97E+04	3.45E+05	7.80E+04	1.87E+05	9.19E+04	5.38E+04	1.49E+06	2.24E+06
137mBa	Ci	1.18E+06	2.81E+04	3.26E+05	7.38E+04	1.77E+05	8.69E+04	5.09E+04	1.41E+06	2.12E+06
151Sm	Ci	4.19E+04	1.62E+04	1.85E+04	2.05E+04	9.18E+04	1.59E+05	2.80E+03	7.34E+04	4.36E+04
152Eu	Ci	1.61E+01	4.28E+00	7.17E+00	7.85E+00	2.80E+01	4.22E+01	7.89E-01	2.73E+01	1.58E+01
154Eu	Ci	6.79E+02	1.85E+02	9.44E+02	2.90E+03	8.94E+03	1.06E+03	1.36E+02	1.85E+03	3.91E+02
155Eu	Ci	9.61E+02	2.62E+02	4.35E+02	5.13E+02	2.09E+03	2.61E+03	4.61E+01	1.47E+03	9.91E+02
226Ra	Ci	5.25E-04	4.84E-04	2.57E-04	7.65E-04	1.63E-03	5.11E-03	3.61E-05	7.96E-04	5.79E-04
227Ac	Ci	3.17E-03	2.52E-03	1.51E-03	3.99E-03	8.80E-03	2.65E-02	2.20E-04	4.90E-03	3.54E-03
228Ra	Ci	1.11E+00	5.28E-02	4.93E-01	8.48E-05	1.48E-08	8.39E-02	4.17E-02	1.72E+00	1.05E+00
229Th	Ci	2.58E-02	1.23E-03	1.14E-02	3.93E-05	2.31E-06	1.98E-03	9.74E-04	3.99E-02	2.43E-02
231Pa	Ci	1.37E-02	4.16E-03	5.88E-03	5.48E-03	1.98E-02	4.03E-02	9.81E-04	2.35E-02	1.43E-02
232Th	Ci	1.19E-01	5.72E-03	5.34E-02	9.15E-06	1.33E-09	8.27E-03	4.18E-03	1.83E-01	1.03E-01
232U	Ci	9.23E-01	3.52E+00	1.65E+00	5.37E-03	9.87E-08	2.49E-01	1.61E-03	4.21E-01	4.43E-02
233U	Ci	3.54E+00	1.35E+01	6.31E+00	2.08E-02	2.33E-09	9.53E-01	6.16E-03	1.62E+00	1.70E-01
234U	Ci	5.99E-01	2.15E+00	1.01E+00	1.67E-02	1.22E-03	2.18E-01	2.37E-03	3.33E-01	6.01E-02
235U	Ci	2.38E-02	8.51E-02	3.98E-02	6.92E-04	5.08E-05	8.75E-03	9.65E-05	1.32E-02	2.33E-03
236U	Ci	1.93E-02	6.97E-02	3.25E-02	4.58E-04	3.32E-05	6.96E-03	8.25E-05	1.18E-02	3.51E-03
237Np	Ci	3.03E+00	1.35E-01	1.26E+00	2.62E-02	7.95E-02	3.41E-01	2.18E-01	5.72E+00	2.82E+00
238Pu	Ci	1.98E+00	1.55E+01	7.22E+00	1.37E+01	3.11E+01	4.52E+01	7.21E-04	1.23E+01	3.63E-01
238U	Ci	5.34E-01	1.91E+00	8.94E-01	1.61E-02	1.18E-03	1.97E-01	2.14E-03	2.94E-01	4.71E-02
239Pu	Ci	7.08E+01	4.18E+02	2.40E+02	7.26E+02	8.04E+02	1.22E+03	2.28E-02	4.89E+01	6.79E+00
240Pu	Ci	1.20E+01	7.75E+01	4.15E+01	1.13E+02	1.54E+02	2.26E+02	3.90E-03	8.62E+00	1.41E+00
241Am	Ci	7.74E+01	2.98E+02	2.36E+02	1.75E+02	8.48E+02	1.73E+03	6.35E-03	8.13E+02	8.93E+00
241Pu	Ci	1.38E+02	1.09E+03	5.02E+02	9.99E+02	2.21E+03	3.21E+03	5.29E-02	1.13E+02	3.06E+01
242Cm	Ci	2.10E-01	2.77E-01	5.58E-01	1.87E-01	7.74E-01	1.52E+00	1.34E-05	2.26E+00	1.80E-02
242Pu	Ci	7.34E-04	6.44E-03	2.74E-03	4.35E-03	1.28E-02	1.89E-02	2.65E-07	6.06E-04	1.44E-04
243Am	Ci	2.85E-03	1.54E-02	8.17E-03	3.80E-03	2.60E-02	8.65E-02	2.33E-07	3.20E-02	6.05E-04
243Cm	Ci	1.92E-02	2.50E-02	4.98E-02	1.03E-02	5.95E-02	1.32E-01	1.25E-06	8.43E-01	1.83E-03
244Cm	Ci	1.56E-01	9.02E-01	4.01E-01	8.06E-02	1.83E+00	4.96E+00	1.24E-05	1.81E+01	2.50E-02

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 2 of 20)

Analyte	Units	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103	AP-104	AP-105
3H	Ci	3.41E+01	7.08E+00	2.76E+01	9.29E+02	5.94E+01	5.24E+01	3.59E+02	1.38E+00	1.65E+01
14C	Ci	1.20E+00	1.98E+02	3.59E+00	1.48E+02	7.66E-01	2.05E+00	3.93E+01	1.57E-02	1.24E+00
59Ni	Ci	5.61E+00	1.11E+01	2.26E-01	6.49E+00	1.42E+00	4.55E+00	5.21E-01	1.40E-03	5.53E+00
60Co	Ci	1.35E+02	1.78E+02	4.89E+00	1.29E+03	1.42E+01	3.19E+02	7.38E+01	4.15E-02	6.05E+01
63Ni	Ci	5.52E+02	1.09E+03	2.22E+01	6.42E+02	1.42E+02	4.47E+02	5.19E+01	1.39E-01	5.44E+02
79Se	Ci	1.13E+01	2.19E+01	4.58E-01	1.45E+01	1.67E+00	8.76E-01	2.37E+00	3.31E-05	1.11E+01
90Sr	Ci	9.28E+04	4.80E+04	1.38E+02	6.13E+05	5.82E+02	5.90E+03	4.39E+02	8.09E+00	1.39E+04
90Y	Ci	9.28E+04	4.80E+04	1.38E+02	6.13E+05	5.82E+02	5.90E+03	4.39E+02	8.09E+00	1.39E+04
93Zr	Ci	5.53E+01	1.06E+02	2.21E+00	7.13E+01	1.25E+01	3.83E+01	1.19E+01	2.66E-02	5.40E+01
93mNb	Ci	4.02E+01	7.76E+01	1.63E+00	5.10E+01	9.08E+00	2.76E+01	8.53E+00	2.09E-02	3.95E+01
99Tc	Ci	7.91E+02	1.17E+03	2.64E+01	3.50E+02	2.21E+02	3.53E+02	4.63E+02	7.12E-02	3.48E+02
106Ru	Ci	3.23E-02	5.60E-02	1.79E-03	3.56E-02	3.42E-02	1.69E-02	6.44E-03	2.48E-05	3.49E-02
113mCd	Ci	2.90E+02	5.52E+02	1.09E+01	3.99E+02	6.54E+01	2.05E+02	6.53E+01	1.02E-01	2.80E+02
125Sb	Ci	7.45E+02	1.33E+03	3.14E+01	9.51E+02	1.10E+02	4.19E+02	1.85E+02	5.82E+00	7.59E+02
126Sn	Ci	1.72E+01	3.32E+01	7.02E-01	2.18E+01	5.41E+01	1.18E+01	3.64E+00	9.13E-03	1.69E+01
129I	Ci	1.51E+00	2.89E+00	5.09E-02	2.25E+00	2.40E-01	1.10E+00	8.98E-01	5.90E-04	1.43E+00
134Cs	Ci	1.23E+02	2.08E+02	5.62E+00	5.71E+01	1.10E+01	1.44E+01	7.15E+00	3.81E-01	1.40E+02
137Cs	Ci	2.68E+06	1.89E+06	2.05E+04	1.61E+06	7.48E+05	9.35E+05	3.04E+05	3.80E+02	6.23E+05
137mBa	Ci	2.54E+06	1.79E+06	1.94E+04	1.52E+06	7.08E+05	8.85E+05	2.88E+05	3.59E+02	5.89E+05
151Sm	Ci	4.00E+04	7.72E+04	1.63E+03	5.08E+04	8.99E+03	2.74E+04	8.46E+03	2.10E+01	3.93E+04
152Eu	Ci	1.45E+01	2.69E+01	5.39E-01	2.00E+01	3.34E+00	9.74E+00	3.54E+00	1.98E-02	1.38E+01
154Eu	Ci	5.36E+02	4.26E+02	7.92E+01	8.52E+03	3.16E+02	1.47E+03	4.79E+02	1.13E-01	1.92E+02
155Eu	Ci	8.99E+02	1.66E+03	3.34E+01	3.36E+04	1.75E+02	5.82E+02	2.02E+02	8.55E-01	8.60E+02
226Ra	Ci	4.63E-04	9.14E-04	2.03E-05	5.29E-04	3.28E-04	3.14E-04	9.74E-05	3.00E-07	4.67E-04
227Ac	Ci	2.86E-03	5.65E-03	1.25E-04	3.27E-03	6.41E-04	1.96E-03	5.71E-04	1.75E-06	2.90E-03
228Ra	Ci	1.03E+00	2.03E+00	2.82E-02	2.05E+00	1.91E-01	5.81E-01	2.09E-01	3.04E-05	1.01E+00
229Th	Ci	2.39E-02	4.71E-02	6.56E-04	4.75E-02	4.51E-03	1.35E-02	4.87E-03	7.07E-07	2.35E-02
231Pa	Ci	1.28E-02	2.49E-02	5.14E-04	1.60E-02	2.87E-03	9.17E-03	2.65E-03	5.34E-06	1.27E-02
232Th	Ci	1.09E-01	2.12E-01	2.72E-03	2.32E-01	2.59E-02	5.73E-02	2.56E-02	2.98E-06	1.04E-01
232U	Ci	1.69E-01	1.19E-01	5.52E-02	4.76E-01	1.57E-02	8.59E-03	2.51E-04	6.62E-04	1.74E-02
233U	Ci	6.48E-01	4.55E-01	2.12E-01	1.83E+00	6.03E-02	3.29E-02	9.63E-04	2.54E-03	6.67E-02
234U	Ci	1.92E-01	1.03E-01	1.91E-01	2.33E-01	4.97E-02	6.99E-03	1.21E-03	1.48E-03	6.11E-02
235U	Ci	7.47E-03	4.06E-03	7.34E-03	9.07E-03	1.91E-03	2.80E-04	4.62E-05	5.73E-05	2.34E-03
236U	Ci	1.03E-02	4.69E-03	1.38E-02	8.26E-03	3.57E-03	2.25E-04	9.00E-05	9.77E-05	4.46E-03
237Np	Ci	2.77E+00	5.28E+00	9.49E-02	3.98E+00	7.84E-01	2.03E+00	1.65E+00	2.73E-02	2.63E+00
238Pu	Ci	3.70E-01	2.14E-01	5.30E-01	7.04E+00	4.61E-02	8.00E-03	7.07E-02	1.79E-04	1.11E-01
238U	Ci	1.54E-01	8.64E-02	1.39E-01	2.02E-01	3.62E-02	6.27E-03	8.70E-04	1.12E-03	4.43E-02
239Pu	Ci	7.96E+00	5.47E+00	9.11E+00	2.20E+02	6.20E-01	2.65E-01	1.97E+00	2.88E-03	1.44E+00
240Pu	Ci	1.57E+00	1.03E+00	1.86E+00	3.90E+01	1.48E-01	4.57E-02	3.34E-01	6.38E-04	3.48E-01
241Am	Ci	4.88E+01	1.93E+01	1.14E+01	3.39E+03	8.43E-01	1.79E+00	1.26E-01	1.41E-02	6.27E+00
241Pu	Ci	3.08E+01	1.67E+01	4.81E+01	5.05E+02	4.30E+00	5.51E-01	4.82E+00	1.59E-02	1.04E+01
242Cm	Ci	1.15E-01	4.45E-02	2.16E-02	8.87E+00	1.38E-03	4.65E-03	6.43E-06	4.25E-05	1.01E-02
242Pu	Ci	1.42E-04	8.28E-05	2.06E-04	2.70E-03	1.79E-05	3.03E-06	3.03E-05	7.02E-08	4.30E-05
243Am	Ci	2.71E-03	8.47E-04	8.61E-04	1.39E-01	7.78E-05	6.77E-05	6.32E-06	1.09E-06	5.98E-04
243Cm	Ci	1.12E-02	4.40E-03	2.18E-03	8.44E-01	7.00E-02	1.72E-01	9.76E-07	5.66E-04	6.49E-02
244Cm	Ci	1.14E-01	4.14E-02	3.10E-02	6.48E+00	1.53E+00	2.64E-01	2.08E-06	1.36E-02	1.56E+00

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 3 of 20)

Analyte	Units	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105	AW-106
3H	Ci	9.67E+00	1.18E+02	7.74E+01	2.32E+01	1.08E+01	4.13E+01	7.41E-01	8.66E+00	5.37E+01
14C	Ci	7.69E-01	1.71E+01	1.01E+01	1.31E+02	4.06E+00	5.32E-01	6.07E-02	1.07E+00	1.98E+01
59Ni	Ci	2.16E-01	1.59E+00	1.00E+00	7.59E+00	3.30E-01	1.96E-01	5.82E-03	1.08E+00	1.89E+00
60Co	Ci	1.90E+00	1.67E+01	7.67E+00	1.57E+02	9.19E+00	7.84E+00	1.38E-01	2.23E+02	1.47E+02
63Ni	Ci	2.14E+01	1.53E+02	9.79E+01	7.47E+02	3.30E+01	2.27E+01	6.19E-01	1.09E+02	1.88E+02
79Se	Ci	1.39E-01	2.12E+00	1.16E+00	2.96E+00	4.99E-01	6.65E-02	6.87E-03	2.28E+00	2.54E+00
90Sr	Ci	1.25E+02	1.35E+03	1.34E+03	5.49E+04	8.81E+03	2.09E+04	1.18E+03	8.04E+04	4.18E+04
90Y	Ci	1.25E+02	1.35E+03	1.34E+03	5.49E+04	8.81E+03	2.09E+04	1.18E+03	8.04E+04	4.18E+04
93Zr	Ci	1.94E+00	8.57E+00	6.86E+00	7.55E+01	2.59E+00	3.21E-01	3.34E-02	1.09E+01	1.97E+01
93mNb	Ci	9.88E-01	6.39E+00	4.61E+00	5.54E+01	1.86E+00	1.40E-01	2.36E-02	8.01E+00	1.42E+01
99Tc	Ci	7.54E+00	1.30E+02	7.56E+01	7.81E+02	1.36E+01	2.31E+00	2.15E+02	8.35E+01	1.22E+02
106Ru	Ci	2.26E-03	3.09E-03	4.26E-03	6.42E-02	1.39E-03	1.61E+03	9.78E+00	4.21E+02	1.06E-02
113mCd	Ci	8.94E+00	4.25E+01	3.37E+01	3.83E+02	1.43E+01	3.37E+00	1.88E-01	5.37E+01	1.09E+02
125Sb	Ci	3.55E+01	7.83E+01	8.17E+01	1.25E+03	3.24E+01	1.89E+02	1.96E+00	1.66E+03	2.48E+02
126Sn	Ci	6.33E-01	2.62E+00	2.15E+00	2.38E+01	7.92E-01	1.05E-01	1.05E-02	3.51E+00	6.04E+00
129I	Ci	1.31E-02	2.97E-01	1.51E-01	1.88E+00	2.69E-02	4.62E-03	8.57E-04	2.62E+00	3.55E-01
134Cs	Ci	3.61E+01	2.71E+02	4.16E+01	2.80E+02	8.29E+00	8.39E+01	7.49E-01	9.45E+01	4.98E+02
137Cs	Ci	2.58E+04	2.95E+05	1.35E+05	2.06E+06	4.26E+04	1.39E+05	2.98E+05	4.60E+04	5.54E+05
137mBa	Ci	2.44E+04	2.79E+05	1.28E+05	1.95E+06	4.03E+04	1.31E+05	2.81E+05	4.35E+04	5.24E+05
151Sm	Ci	1.46E+03	6.10E+03	5.00E+03	5.53E+04	1.84E+03	2.30E+02	2.42E+01	8.11E+03	1.41E+04
152Eu	Ci	5.04E-01	2.14E+00	1.66E+00	1.89E+01	7.53E-01	1.53E+00	2.79E-02	3.56E+00	5.74E+00
154Eu	Ci	2.61E+01	1.36E+02	1.34E+02	3.92E+02	1.00E+02	5.89E+01	1.66E+00	2.18E+03	4.80E+02
155Eu	Ci	2.68E+01	3.88E+02	1.34E+02	1.21E+03	4.40E+01	2.77E+02	4.10E+00	2.30E+03	4.45E+02
226Ra	Ci	2.04E-05	1.08E-04	7.46E-05	6.74E-04	2.11E-05	6.53E-07	2.67E-07	1.01E-04	1.61E-04
227Ac	Ci	1.28E-04	6.17E-04	4.46E-04	4.25E-03	1.24E-04	3.88E-06	1.66E-06	6.23E-04	9.45E-04
228Ra	Ci	2.77E-02	5.73E-02	6.06E-02	1.38E+00	4.63E-02	3.32E-04	5.71E-04	1.47E-01	3.53E-01
229Th	Ci	6.43E-04	1.35E-03	1.42E-03	3.21E-02	1.08E-03	7.73E-06	1.33E-05	3.41E-03	8.20E-03
231Pa	Ci	4.69E-04	2.17E-03	1.70E-03	1.81E-02	5.79E-04	2.07E-05	7.39E-06	2.44E-03	4.42E-03
232Th	Ci	2.18E-03	4.03E-03	4.48E-03	1.34E-01	5.65E-03	2.81E-05	5.84E-05	1.44E-02	4.31E-02
232U	Ci	8.13E-04	8.76E-03	5.78E-03	5.09E-01	4.88E-02	1.33E-02	7.84E-03	1.50E+00	2.32E-01
233U	Ci	3.12E-03	3.36E-02	2.22E-02	1.95E+00	1.88E-01	2.40E-02	2.01E-02	5.73E+00	8.91E-01
234U	Ci	2.96E-03	1.87E-02	1.32E-02	1.14E+00	6.36E-02	3.17E+01	1.17E+01	1.94E+01	3.02E-01
235U	Ci	9.36E-05	7.83E-04	5.20E-04	4.38E-02	2.63E-03	1.20E+00	4.46E-01	7.40E-01	1.25E-02
236U	Ci	1.84E-04	4.51E-04	4.48E-04	7.86E-02	2.24E-03	2.61E+00	9.66E-01	1.55E+00	1.06E-02
237Np	Ci	6.97E-02	4.51E-01	3.26E-01	3.49E+00	4.70E-02	3.17E-02	1.76E-03	4.39E-01	1.36E+00
238Pu	Ci	9.95E-02	2.00E-02	1.11E-01	5.82E+00	4.63E+00	6.16E+01	1.42E+02	8.48E+01	2.23E+01
238U	Ci	1.76E-03	1.77E-02	1.13E-02	8.43E-01	5.78E-02	2.18E+01	8.05E+00	1.35E+01	2.73E-01
239Pu	Ci	7.41E-02	2.05E-01	2.31E-01	5.70E+01	1.29E+02	4.99E+02	1.15E+03	1.05E+03	6.09E+02
240Pu	Ci	1.44E-02	3.99E-02	4.39E-02	1.57E+01	2.19E+01	1.52E+02	3.49E+02	3.16E+02	1.03E+02
241Am	Ci	3.71E-02	2.22E-01	2.35E-01	5.64E+01	1.70E+01	1.44E+01	5.87E-01	6.49E+02	8.03E+01
241Pu	Ci	3.58E-01	4.03E-02	4.19E-01	5.81E+02	3.16E+02	6.29E+03	1.45E+04	1.30E+04	1.49E+03
242Cm	Ci	8.84E-04	2.12E-04	1.12E-03	1.01E-01	2.94E-04	4.96E-02	2.66E-03	1.24E+00	1.38E-03
242Pu	Ci	1.81E-06	1.99E-07	2.12E-06	2.22E-03	1.98E-03	2.35E-02	5.40E-02	4.85E-02	9.32E-03
243Am	Ci	1.11E-05	2.83E-06	1.42E-05	4.53E-03	8.49E-04	3.04E-03	9.80E-05	8.56E-02	4.00E-03
243Cm	Ci	7.52E-03	1.88E-05	7.88E-03	1.03E-02	6.00E-06	8.31E-03	4.19E-04	5.48E+00	2.82E-05
244Cm	Ci	1.81E-01	1.86E-04	1.90E-01	1.45E-01	1.75E-04	5.53E-02	2.01E-03	1.31E+02	8.21E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 4 of 20)

Analyte	Units	AX-101	AX-102	AX-103	AX-104	AY-101	AY-102	AZ-101	AZ-102	B-101
3H	Ci	6.20E+02	2.27E+01	7.98E+01	3.38E+00	2.69E+01	1.15E+02	4.79E+00	1.87E+03	3.27E+00
14C	Ci	4.79E+00	3.80E+00	1.52E+00	6.30E-01	4.80E+00	3.37E+00	5.32E-01	8.30E-01	5.47E-01
59Ni	Ci	1.19E+01	3.30E+00	6.83E+00	3.12E+00	1.05E+02	7.78E+01	1.99E+01	1.08E+01	1.58E+01
60Co	Ci	1.14E+02	4.27E+02	2.53E+02	3.40E+02	1.19E+03	1.13E+02	4.61E+03	3.42E+03	8.63E-01
63Ni	Ci	1.17E+03	3.41E+02	6.85E+02	3.14E+02	1.04E+04	7.68E+03	2.30E+03	1.25E+03	1.57E+03
79Se	Ci	1.35E+01	1.20E+01	7.04E+00	5.00E-02	9.10E+01	1.46E+01	4.13E+01	2.28E+01	4.92E+00
90Sr	Ci	1.37E+05	3.13E+05	5.85E+05	2.65E+06	2.10E+06	5.91E+06	6.36E+06	3.70E+06	1.45E+03
90Y	Ci	1.37E+05	3.13E+05	5.85E+05	2.65E+06	2.10E+06	5.91E+06	6.36E+06	3.70E+06	1.45E+03
93Zr	Ci	6.41E+01	5.23E+01	3.27E+01	1.36E+01	4.06E+02	6.10E+01	1.99E+02	1.11E+02	2.15E+01
93mNb	Ci	4.83E+01	3.48E+01	2.44E+01	1.02E+01	3.01E+02	5.49E+01	8.74E+01	4.33E+01	1.43E+01
99Tc	Ci	2.15E+02	2.78E+01	1.73E+02	9.51E+01	3.80E+01	2.71E+01	1.10E+03	5.99E+02	3.51E+00
106Ru	Ci	5.19E-02	1.41E+00	2.29E-02	1.01E-02	5.35E+00	8.85E+01	4.85E+04	7.62E+04	7.06E-01
113mCd	Ci	2.98E+02	2.62E+02	1.47E+02	5.82E+01	1.62E+03	5.40E+01	2.12E+03	1.22E+03	1.06E+02
125Sb	Ci	5.62E+02	5.43E+03	2.94E+02	3.90E+00	6.13E+01	3.85E+02	1.31E+05	9.27E+04	5.16E+00
126Sn	Ci	2.07E+01	1.90E+01	1.09E+01	4.61E+00	1.44E+02	2.36E+01	6.57E+01	3.54E+01	7.79E+00
129I	Ci	3.59E-02	5.36E-02	1.12E-02	8.64E-03	6.34E-02	2.34E-01	2.76E+00	1.52E+00	6.75E-03
134Cs	Ci	1.10E+01	3.84E-01	1.61E+00	2.07E-01	2.49E+01	1.93E+02	4.34E+04	4.12E+04	3.15E-02
137Cs	Ci	1.02E+06	4.62E+04	1.34E+05	6.36E+04	6.92E+04	2.82E+05	7.43E+06	4.32E+06	1.04E+04
137mBa	Ci	9.69E+05	4.37E+04	1.27E+05	6.02E+04	6.55E+04	2.67E+05	7.03E+06	4.09E+06	9.85E+03
151Sm	Ci	4.82E+04	3.47E+04	2.60E+04	1.10E+04	3.02E+05	5.55E+04	1.42E+05	8.02E+04	1.42E+04
152Eu	Ci	1.66E+01	4.99E+01	8.21E+00	3.36E+00	2.37E+02	5.89E+01	2.73E+02	1.42E+02	3.19E+01
154Eu	Ci	6.23E+02	6.09E+01	4.44E+03	1.99E+03	1.50E+04	5.22E+03	5.76E+04	2.31E+04	1.57E+03
155Eu	Ci	2.16E+03	1.85E+03	5.90E+02	2.14E+03	1.23E+04	3.61E+03	7.15E+04	2.66E+04	1.65E+03
226Ra	Ci	8.30E-04	5.33E-04	4.36E-04	1.96E-04	6.83E-03	3.55E-03	1.80E-04	8.50E-05	7.04E-04
227Ac	Ci	4.67E-03	2.55E-03	2.38E-03	1.06E-03	3.49E-02	1.72E-02	1.00E-03	4.80E-04	3.16E-03
228Ra	Ci	1.02E+00	2.48E-02	1.14E-01	1.77E-09	1.37E-02	5.33E-04	1.10E-08	6.00E-09	1.47E-08
229Th	Ci	2.36E-02	5.78E-04	2.65E-03	2.77E-07	5.36E-04	1.14E-04	1.20E-06	6.80E-07	1.73E-06
231Pa	Ci	1.46E-02	4.43E-04	6.05E-03	2.38E-03	4.97E-02	1.47E-02	3.10E-03	1.80E-03	1.98E-04
232Th	Ci	1.10E-01	2.52E-03	1.23E-02	1.60E-10	4.62E-04	5.50E-05	1.60E-08	9.39E-09	1.95E-10
232U	Ci	7.89E-01	1.18E-01	1.58E-01	4.66E-06	4.44E-02	3.83E-03	4.48E-02	1.85E-02	1.84E-05
233U	Ci	3.02E+00	4.51E-01	6.07E-01	1.10E-07	1.71E-01	1.38E-02	1.71E-01	6.71E-02	9.46E-07
234U	Ci	4.85E-01	9.28E-02	1.03E-01	5.75E-02	7.57E-02	1.40E+00	1.19E+00	4.64E+00	1.09E+00
235U	Ci	1.92E-02	3.71E-03	4.09E-03	2.40E-03	3.08E-03	5.45E-02	4.52E-02	1.77E-01	4.88E-02
236U	Ci	1.56E-02	3.03E-03	3.30E-03	1.57E-03	2.60E-03	1.86E-01	9.62E-02	3.82E-01	8.68E-03
237Np	Ci	2.59E+00	9.66E-02	3.20E-01	9.54E-03	3.06E-01	1.83E-01	1.96E+01	1.17E+01	1.47E-02
238Pu	Ci	1.25E+01	1.90E+01	3.76E+00	1.10E+01	5.12E+01	7.47E+01	1.60E+02	1.81E+02	8.82E+01
238U	Ci	4.31E-01	8.31E-02	9.19E-02	5.60E-02	6.91E-02	1.04E+00	8.22E-01	3.19E+00	1.11E+00
239Pu	Ci	3.48E+02	1.96E+02	9.95E+01	2.86E+02	4.61E+02	1.40E+03	9.52E+02	1.25E+03	8.39E+02
240Pu	Ci	6.40E+01	5.81E+01	1.88E+01	5.46E+01	1.39E+02	2.95E+02	2.69E+02	3.72E+02	2.44E+02
241Am	Ci	3.85E+02	3.29E+03	1.08E+03	9.65E+02	1.17E+03	3.50E+03	2.26E+04	1.48E+04	1.81E+03
241Pu	Ci	8.85E+02	7.41E+02	2.67E+02	7.86E+02	3.55E+03	5.35E+03	8.75E+03	1.71E+04	6.11E+03
242Cm	Ci	4.70E-01	4.51E+00	1.14E+00	8.82E-01	1.64E+00	6.62E+00	2.54E+01	1.12E+01	2.62E+00
242Pu	Ci	5.14E-03	1.04E-02	1.54E-03	4.54E-03	2.52E-02	3.31E-02	7.40E-02	3.40E-02	4.31E-02
243Am	Ci	1.76E-02	3.62E-01	3.39E-02	2.96E-02	1.20E-01	3.46E-01	9.98E+00	4.42E+00	1.90E-01
243Cm	Ci	4.21E-02	5.46E-01	9.19E-02	6.77E-02	1.91E-01	2.99E+00	4.36E+00	1.77E+00	3.10E-01
244Cm	Ci	1.05E+00	2.18E+01	2.33E+00	2.08E+00	7.23E+00	7.98E+01	1.09E+02	4.21E+01	1.18E+01

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 5 of 20)

Analyte	Units	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
3H	Ci	6.17E-01	7.67E-01	1.30E+00	1.79E+00	1.67E+00	3.58E+00	8.54E-01	2.36E+01	2.23E+00
14C	Ci	1.34E-01	1.41E-01	2.09E-01	2.62E-01	2.48E-01	6.03E-01	1.29E-01	3.88E+00	1.54E+00
59Ni	Ci	6.19E-02	1.34E-01	1.68E-01	3.12E-01	2.78E-01	1.15E-01	1.46E-01	2.65E-01	1.34E+00
60Co	Ci	8.05E-02	2.48E-02	4.85E-02	5.80E-02	7.46E-02	8.17E+00	2.75E-02	5.52E+00	1.19E+01
63Ni	Ci	5.60E+00	1.21E+01	1.52E+01	2.80E+01	2.50E+01	1.04E+01	1.31E+01	2.45E+01	1.35E+02
79Se	Ci	1.53E-02	2.40E-02	4.40E-02	5.54E-02	4.98E-02	1.43E-01	2.72E-02	3.02E-01	1.27E+00
90Sr	Ci	5.35E+02	7.63E+02	1.02E+04	6.73E+03	3.94E+04	3.81E+04	1.04E+04	8.53E+03	1.25E+05
90Y	Ci	5.35E+02	7.63E+02	1.02E+04	6.73E+03	3.94E+04	3.81E+04	1.04E+04	8.53E+03	1.25E+05
93Zr	Ci	7.33E-02	1.14E-01	2.09E-01	2.63E-01	2.37E-01	2.89E-01	1.29E-01	1.50E+00	5.82E+00
93mNb	Ci	5.93E-02	9.65E-02	1.76E-01	2.22E-01	1.99E-01	2.21E-01	1.10E-01	1.08E+00	4.37E+00
99Tc	Ci	7.59E-01	7.90E-01	1.45E+00	1.82E+00	1.72E+00	1.75E+01	8.95E-01	3.38E+01	2.08E+01
106Ru	Ci	1.10E-05	9.52E-09	2.06E-08	2.29E-08	3.79E-06	8.43E-05	1.02E-08	6.76E-04	4.33E-03
113mCd	Ci	2.44E-01	2.73E-01	5.14E-01	6.33E-01	5.94E-01	1.29E+00	3.07E-01	8.42E+00	2.49E+01
125Sb	Ci	3.27E-01	2.22E-02	4.53E-02	5.25E-02	1.57E-01	3.03E+00	2.43E-02	2.46E+01	1.67E+00
126Sn	Ci	2.29E-02	3.61E-02	6.63E-02	8.32E-02	7.48E-02	8.89E-02	4.08E-02	4.54E-01	1.98E+00
129I	Ci	1.45E-03	1.49E-03	2.73E-03	3.43E-03	3.25E-03	7.07E-04	1.68E-03	6.53E-02	4.54E-02
134Cs	Ci	3.44E-03	5.84E-04	1.45E-03	1.43E-03	2.32E-03	3.26E+00	6.39E-04	1.71E-01	4.37E+00
137Cs	Ci	3.83E+03	5.47E+03	1.94E+04	2.45E+04	1.21E+04	2.17E+04	8.78E+03	3.17E+04	1.73E+04
137mBa	Ci	3.63E+03	5.18E+03	1.83E+04	2.32E+04	1.14E+04	2.05E+04	8.31E+03	3.00E+04	1.63E+04
151Sm	Ci	5.60E+01	8.95E+01	1.64E+02	2.06E+02	1.85E+02	2.14E+02	1.02E+02	1.07E+03	4.73E+03
152Eu	Ci	1.57E-02	1.70E-02	4.46E-02	4.04E-02	3.59E-02	5.66E-02	1.86E-02	2.87E-01	7.06E+01
154Eu	Ci	1.15E+00	4.37E-01	8.79E-01	1.03E+00	1.23E+00	2.99E+01	4.81E-01	6.74E+01	1.53E+02
155Eu	Ci	1.16E+00	1.36E+00	3.28E+00	3.08E+00	2.72E+00	4.62E+01	1.50E+00	1.81E+01	1.61E+02
226Ra	Ci	4.65E-06	8.23E-06	1.17E-05	1.58E-05	1.39E-05	7.76E-06	8.15E-06	1.83E-05	8.47E-05
227Ac	Ci	6.44E-04	3.79E-05	6.00E-05	8.07E-05	7.13E-05	9.82E-04	4.15E-05	8.21E-03	4.56E-04
228Ra	Ci	1.39E-03	7.46E-11	1.60E-10	1.59E-10	4.34E-04	1.06E-02	8.44E-11	9.01E-02	7.91E-10
229Th	Ci	1.20E-04	1.45E-08	3.12E-08	3.09E-08	1.02E-05	3.78E-04	1.64E-08	3.22E-03	1.25E-07
231Pa	Ci	9.68E-04	7.71E-05	1.31E-04	1.74E-04	1.56E-04	1.51E-03	8.92E-05	1.24E-02	1.03E-03
232Th	Ci	9.95E-05	3.28E-11	5.93E-11	7.54E-11	2.85E-05	1.28E-03	3.74E-11	1.09E-02	7.18E-11
232U	Ci	2.90E-03	8.47E-06	2.84E-05	6.99E-05	2.25E-03	1.16E-05	1.88E-05	6.52E-01	1.26E-06
233U	Ci	1.12E-02	4.49E-07	1.31E-06	3.30E-06	8.44E-03	1.16E-05	1.01E-06	2.51E+00	6.86E-08
234U	Ci	3.85E-01	5.39E-01	1.22E+00	3.22E+00	2.40E+00	7.34E-01	1.23E+00	4.82E+00	8.64E-02
235U	Ci	1.72E-02	2.41E-02	5.41E-02	1.43E-01	1.06E-01	3.30E-02	5.52E-02	2.08E-01	3.87E-03
236U	Ci	2.96E-03	4.10E-03	1.22E-02	3.06E-02	2.24E-02	4.69E-03	9.20E-03	7.72E-02	6.26E-04
237Np	Ci	3.54E-03	4.86E-03	8.95E-03	1.12E-02	1.02E-02	1.84E-02	5.50E-03	1.17E-01	1.39E-01
238Pu	Ci	3.96E-02	3.91E-01	3.90E-01	5.91E-01	9.80E-02	1.41E-01	1.15E-02	9.00E-01	3.93E+00
238U	Ci	3.90E-01	5.47E-01	1.24E+00	3.27E+00	2.44E+00	7.43E-01	1.25E+00	4.78E+00	8.75E-02
239Pu	Ci	2.16E+00	7.05E+01	7.63E+01	1.09E+02	1.75E+01	4.39E+01	2.23E+00	4.08E+01	8.97E+01
240Pu	Ci	3.17E-01	5.47E+00	5.67E+00	8.35E+00	1.36E+00	2.59E+00	1.66E-01	6.81E+00	9.78E+00
241Am	Ci	2.34E-02	1.35E+00	3.65E-01	1.67E+00	3.54E-01	8.81E-02	3.61E-02	1.22E+00	9.14E+01
241Pu	Ci	3.00E+00	1.35E+01	1.24E+01	1.99E+01	3.40E+00	1.71E+00	3.70E-01	7.09E+01	8.21E+01
242Cm	Ci	6.01E-05	2.04E-03	7.32E-04	2.61E-03	5.85E-04	1.00E-04	5.43E-05	2.65E-04	8.36E-02
242Pu	Ci	8.69E-06	5.94E-05	5.41E-05	8.78E-05	1.51E-05	5.21E-06	1.62E-06	2.03E-04	4.59E-04
243Am	Ci	4.86E-07	9.25E-06	2.56E-06	1.15E-05	3.11E-06	3.32E-07	2.46E-07	3.98E-05	2.80E-03
243Cm	Ci	4.11E-06	4.16E-05	1.50E-05	5.33E-05	1.86E-05	1.81E-06	1.11E-06	6.36E-06	6.45E-02
244Cm	Ci	2.87E-05	2.18E-04	6.05E-05	2.72E-04	1.16E-04	1.25E-05	5.79E-06	2.61E-05	1.55E+00

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 6 of 20)

Analyte	Units	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103
3H	Ci	1.32E+01	9.36E+00	2.51E+00	5.43E-04	1.01E-03	9.86E-04	1.40E+00	9.31E-02	1.95E+00
14C	Ci	1.70E+00	2.54E-01	4.34E-02	1.68E-04	3.12E-04	3.05E-04	1.45E-01	2.30E-01	5.30E-01
59Ni	Ci	1.16E+01	2.24E-01	9.42E-04	4.78E-05	8.86E-05	8.68E-05	9.31E+00	8.79E-03	3.16E-02
60Co	Ci	4.11E+00	2.28E+00	2.07E-01	5.40E-05	1.00E-04	9.81E-05	7.48E+00	1.28E+01	3.06E+01
63Ni	Ci	1.17E+03	2.22E+01	2.54E-02	4.41E-03	8.17E-03	8.01E-03	9.22E+02	7.77E-01	2.91E+00
79Se	Ci	1.10E+01	1.90E-01	3.68E-05	3.55E-05	6.58E-05	6.44E-05	5.06E-02	6.51E-03	3.95E-02
90Sr	Ci	2.64E+05	2.61E+04	2.74E+02	4.72E+02	3.26E+01	3.19E+01	6.34E+04	2.12E+04	4.70E+04
90Y	Ci	2.64E+05	2.61E+04	2.74E+02	4.72E+02	3.26E+01	3.19E+01	6.34E+04	2.12E+04	4.70E+04
93Zr	Ci	5.05E+01	9.21E-01	1.75E-04	1.69E-04	3.12E-04	3.06E-04	2.33E-01	3.10E-02	1.94E-01
93mNb	Ci	3.79E+01	6.64E-01	1.45E-04	1.39E-04	2.58E-04	2.53E-04	1.86E-01	2.65E-02	1.47E-01
99Tc	Ci	1.21E+02	1.04E+01	2.66E-01	1.17E-03	2.16E-03	2.12E-03	9.91E+00	5.99E+00	1.59E+01
106Ru	Ci	3.76E-02	4.28E-04	4.20E-11	4.05E-11	7.50E-11	7.35E-11	7.85E-02	3.54E-06	6.63E-05
113mCd	Ci	2.16E+02	4.94E+00	4.89E-04	4.72E-04	8.74E-04	8.56E-04	8.16E-01	6.74E-02	8.74E-01
125Sb	Ci	1.52E+01	1.02E+01	6.46E-05	6.23E-05	1.15E-04	1.13E-04	1.28E+00	1.39E-02	1.93E+00
126Sn	Ci	1.71E+01	2.84E-01	5.55E-05	5.35E-05	9.91E-05	9.72E-05	7.88E-02	9.69E-03	5.92E-02
129I	Ci	3.41E-02	5.72E-03	2.29E-06	2.21E-06	4.09E-06	4.00E-06	1.28E-02	5.37E-03	1.37E-02
134Cs	Ci	7.74E-01	1.05E-01	1.67E-01	2.68E-06	4.97E-06	4.87E-06	3.59E-03	7.75E-04	1.83E-02
137Cs	Ci	1.68E+05	1.27E+04	1.05E+02	1.19E+01	3.69E+01	3.62E+01	2.44E+04	8.44E+03	2.11E+04
137mBa	Ci	1.59E+05	1.21E+04	9.92E+01	1.12E+01	3.49E+01	3.42E+01	2.31E+04	7.98E+03	2.00E+04
151Sm	Ci	4.10E+04	6.58E+02	1.39E-01	1.34E-01	2.49E-01	2.44E-01	1.84E+02	2.46E+01	1.43E+02
152Eu	Ci	1.25E+01	2.87E-01	1.82E-04	1.76E-04	3.26E-04	3.19E-04	7.42E+00	1.79E-02	6.07E-02
154Eu	Ci	1.81E+02	2.11E+01	5.12E-01	8.67E-04	1.61E-03	1.57E-03	5.22E+00	9.74E-02	5.97E+00
155Eu	Ci	9.32E+02	1.74E+01	3.40E-01	1.59E-02	2.94E-02	2.88E-02	4.26E+02	1.71E+00	5.05E+00
226Ra	Ci	7.29E-04	8.86E-06	8.22E-09	7.93E-09	1.47E-08	1.44E-08	3.25E-04	1.20E-05	2.89E-05
227Ac	Ci	3.93E-03	1.21E-04	4.34E-08	4.18E-08	7.75E-08	7.59E-08	1.39E-03	3.15E-03	5.07E-03
228Ra	Ci	2.52E-03	1.09E-01	5.29E-13	5.10E-13	9.44E-13	9.25E-13	1.87E-03	1.02E-03	6.12E-03
229Th	Ci	5.91E-05	2.51E-03	1.02E-10	9.86E-11	1.83E-10	1.79E-10	4.37E-05	4.61E-04	8.42E-04
231Pa	Ci	8.85E-03	6.23E-04	1.00E-07	9.65E-08	1.79E-07	1.75E-07	7.36E-05	4.65E-03	7.48E-03
232Th	Ci	3.11E-04	4.51E-03	4.62E-14	4.45E-14	8.25E-14	8.09E-14	2.31E-04	4.75E-05	6.06E-04
232U	Ci	2.67E-03	4.46E-02	1.41E-07	2.63E-07	2.91E-07	9.38E-08	9.66E-04	1.12E-03	1.93E-03
233U	Ci	1.02E-02	1.71E-01	6.44E-09	1.20E-08	1.33E-08	4.28E-09	3.54E-03	4.34E-03	7.44E-03
234U	Ci	6.91E-02	1.28E-02	7.04E-03	1.74E-02	1.45E-02	4.68E-03	3.48E+00	2.60E-01	5.76E-01
235U	Ci	3.03E-03	4.77E-04	3.13E-04	5.95E-04	6.45E-04	2.08E-04	1.57E-01	1.17E-02	2.59E-02
236U	Ci	8.10E-04	4.09E-04	6.14E-05	1.87E-04	1.26E-04	4.08E-05	2.22E-02	1.80E-03	3.89E-03
237Np	Ci	7.59E-02	1.44E-02	7.51E-06	7.24E-06	1.34E-05	1.31E-05	5.04E-03	1.30E-03	1.16E-02
238Pu	Ci	2.85E+00	6.54E-03	9.32E-01	3.17E+00	3.08E-01	3.64E-01	4.94E+00	1.01E+00	2.25E+00
238U	Ci	6.99E-02	1.07E-02	7.15E-03	1.34E-02	1.47E-02	4.75E-03	3.53E+00	2.63E-01	5.83E-01
239Pu	Ci	8.83E+01	3.37E-01	1.43E+02	1.58E+01	4.45E+01	5.27E+01	8.66E+01	4.25E+01	9.44E+01
240Pu	Ci	1.51E+01	4.72E-02	1.25E+01	2.68E+00	3.91E+00	4.62E+00	1.88E+01	7.52E+00	1.67E+01
241Am	Ci	8.99E+01	1.02E-01	4.25E+00	8.23E+00	3.64E-01	4.31E-01	1.81E+02	1.78E+02	3.94E+02
241Pu	Ci	1.99E+02	4.38E-01	4.13E+01	1.60E+01	1.29E+01	1.53E+01	3.46E+02	8.11E+01	1.80E+02
242Cm	Ci	8.21E-02	1.81E-06	4.15E-02	8.03E-02	3.56E-03	4.20E-03	3.54E-01	1.84E+00	9.78E-01
242Pu	Ci	1.14E-03	2.10E-06	1.91E-04	5.27E-04	5.98E-05	7.07E-05	2.25E-03	2.28E-04	5.08E-04
243Am	Ci	2.76E-03	3.52E-06	3.46E-05	6.68E-05	2.96E-06	3.50E-06	1.37E-02	1.15E-03	1.29E-02
243Cm	Ci	2.00E-02	3.72E-08	9.00E-03	1.73E-03	7.66E-05	9.06E-05	3.77E-02	4.83E-02	6.96E-02
244Cm	Ci	4.79E-01	5.14E-07	2.16E-01	1.70E-03	7.52E-05	8.90E-05	1.01E+00	3.78E-02	5.99E-01

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 7 of 20)

Analyte	Units	BX-104	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112
3H	Ci	4.52E+01	3.91E+00	1.90E+01	1.01E+00	5.21E-02	1.47E+00	2.11E+01	6.77E+01	1.36E+00
14C	Ci	3.55E-01	3.89E-01	3.03E-01	4.87E-01	1.11E-02	2.09E-01	5.47E+00	1.76E+01	2.32E-01
59Ni	Ci	4.44E-01	5.00E-02	4.11E-01	4.36E-02	3.15E-03	5.94E-02	5.96E-01	2.46E+00	9.90E-02
60Co	Ci	2.12E+01	2.24E+01	1.69E+01	1.26E-01	2.43E-03	4.85E-02	5.07E+00	2.15E+01	1.73E-01
63Ni	Ci	4.33E+01	4.73E+00	4.08E+01	3.94E+00	2.84E-01	5.36E+00	5.90E+01	2.44E+02	8.96E+00
79Se	Ci	7.01E-01	6.93E-02	3.76E-01	3.48E-02	2.34E-03	4.41E-02	4.68E-01	1.93E+00	3.64E-02
90Sr	Ci	1.47E+05	3.50E+04	2.79E+04	1.80E+04	1.70E+04	1.99E+05	2.01E+04	1.58E+04	4.92E+03
90Y	Ci	1.47E+05	3.50E+04	2.79E+04	1.80E+04	1.70E+04	1.99E+05	2.01E+04	1.58E+04	4.92E+03
93Zr	Ci	3.44E+00	3.39E-01	1.83E+00	1.67E-01	1.11E-02	2.09E-01	2.26E+00	9.33E+00	1.75E-01
93mNb	Ci	2.50E+00	2.53E-01	1.31E+00	1.37E-01	9.40E-03	1.76E-01	1.64E+00	6.75E+00	1.41E-01
99Tc	Ci	2.51E+01	1.20E+01	7.89E+00	6.92E+01	4.96E+00	1.45E+00	3.06E+01	9.82E+01	1.74E+00
106Ru	Ci	1.44E-03	1.22E-04	8.57E-04	1.26E-05	9.50E-10	2.06E-08	1.01E-03	4.30E-03	2.14E-05
113mCd	Ci	1.81E+01	1.63E+00	9.88E+00	4.88E-01	2.67E-02	5.15E-01	1.18E+01	4.94E+01	5.84E-01
125Sb	Ci	3.27E+01	2.95E+00	2.09E+01	4.46E-01	2.19E-03	4.54E-02	2.27E+01	9.65E+01	6.69E-01
126Sn	Ci	1.06E+00	1.04E-01	5.63E-01	5.22E-02	3.51E-03	6.63E-02	7.00E-01	2.89E+00	5.49E-02
129I	Ci	3.16E-02	9.79E-03	7.07E-03	2.97E-03	1.45E-04	2.73E-03	5.92E-02	1.90E-01	3.32E-03
134Cs	Ci	6.77E-01	5.76E-02	2.28E-01	1.72E-03	8.88E-05	7.27E-04	2.47E-01	1.05E+00	1.11E-02
137Cs	Ci	5.57E+04	1.67E+04	1.11E+04	3.17E+04	2.09E+03	1.40E+04	6.70E+04	8.00E+04	4.21E+04
137mBa	Ci	5.27E+04	1.58E+04	1.05E+04	3.00E+04	1.97E+03	1.33E+04	6.34E+04	7.57E+04	3.98E+04
151Sm	Ci	2.47E+03	2.47E+02	1.30E+03	1.29E+02	8.72E+00	1.64E+02	1.62E+03	6.69E+03	1.33E+02
152Eu	Ci	9.01E-01	8.48E-02	5.53E-01	4.02E-02	3.06E-03	4.44E-01	7.33E-01	3.03E+00	4.72E-02
154Eu	Ci	1.26E+02	1.09E+01	7.39E+01	1.85E+00	4.31E-02	8.79E-01	8.57E+01	3.64E+02	2.56E+00
155Eu	Ci	5.46E+01	6.07E+00	3.36E+01	3.22E+00	2.40E-01	3.34E+01	4.47E+01	1.84E+02	3.19E+00
226Ra	Ci	5.00E-05	2.62E-05	1.85E-05	9.42E-06	6.75E-07	1.18E-05	2.57E-05	9.34E-05	7.05E-06
227Ac	Ci	2.33E-04	7.41E-05	2.25E-04	4.80E-05	3.44E-06	6.01E-05	3.28E-04	1.32E-03	3.65E-05
228Ra	Ci	2.55E-02	3.62E-03	2.00E-01	3.85E-06	1.30E-11	1.69E-09	2.70E-01	1.15E+00	1.89E-03
229Th	Ci	5.98E-04	8.44E-05	4.62E-03	1.92E-07	2.51E-09	3.28E-07	6.24E-03	2.66E-02	4.37E-05
231Pa	Ci	8.83E-04	1.23E-04	1.14E-03	1.06E-04	7.43E-06	1.31E-04	1.63E-03	6.78E-03	8.59E-05
232Th	Ci	1.73E-03	3.39E-04	8.97E-03	1.34E-06	3.19E-12	5.94E-11	9.98E-03	4.25E-02	2.19E-04
232U	Ci	4.87E-02	2.47E-04	2.01E-01	7.49E-05	1.01E-05	1.40E-04	4.71E-01	7.62E-01	1.71E-04
233U	Ci	1.87E-01	9.29E-04	7.69E-01	1.05E-04	5.12E-07	6.40E-06	1.80E+00	2.92E+00	6.31E-04
234U	Ci	7.96E+00	4.27E-01	3.52E-01	2.99E+00	5.71E-01	5.82E+00	2.91E+00	4.16E-01	2.78E-01
235U	Ci	3.58E-01	1.92E-02	1.54E-02	1.33E-01	2.55E-02	2.57E-01	1.29E-01	1.69E-02	1.23E-02
236U	Ci	5.22E-02	2.73E-03	3.72E-03	2.32E-02	4.70E-03	5.95E-02	2.86E-02	9.02E-03	2.83E-03
237Np	Ci	1.73E-01	1.71E-02	9.29E-02	7.96E-03	4.74E-04	8.96E-03	1.04E-01	4.30E-01	8.43E-03
238Pu	Ci	5.68E+00	1.37E+00	2.18E+00	6.43E-01	3.33E-02	1.32E-01	1.37E+00	6.73E-01	9.99E-01
238U	Ci	8.06E+00	4.32E-01	3.46E-01	3.03E+00	5.79E-01	5.92E+00	2.93E+00	3.85E-01	2.83E-01
239Pu	Ci	2.01E+02	7.33E+01	7.80E+01	9.88E+01	4.80E+00	1.69E+01	9.13E+01	2.59E+01	1.30E+02
240Pu	Ci	3.33E+01	9.14E+00	1.34E+01	8.41E+00	4.26E-01	1.62E+00	1.11E+01	4.25E+00	1.23E+01
241Am	Ci	4.02E+02	2.92E+02	4.38E+01	2.44E+01	1.43E+00	7.98E-01	1.70E+01	1.15E+01	1.64E+00
241Pu	Ci	3.87E+02	8.85E+01	1.57E+02	2.51E+01	1.35E+00	5.69E+00	8.60E+01	4.79E+01	4.30E+01
242Cm	Ci	1.16E+00	8.12E-01	1.00E-02	7.03E-02	3.96E-03	1.57E-02	1.17E-03	1.96E-04	3.70E-03
242Pu	Ci	2.12E-03	4.82E-04	7.58E-04	1.13E-04	6.09E-06	2.59E-05	4.09E-04	2.30E-04	1.96E-04
243Am	Ci	1.46E-02	1.06E-02	1.54E-03	3.30E-04	9.84E-06	5.59E-06	5.80E-04	3.96E-04	2.70E-05
243Cm	Ci	1.07E-01	7.41E-02	8.81E-04	3.18E-03	8.08E-05	3.21E-04	2.39E-05	4.02E-06	1.46E-04
244Cm	Ci	9.94E-01	6.62E-01	8.00E-03	2.57E-02	2.32E-04	1.32E-04	1.32E-04	5.53E-05	8.82E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 8 of 20)

Analyte	Units	BY-101	BY-102	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109
3H	Ci	1.73E+02	1.60E+02	1.93E+02	8.84E+01	1.68E+02	2.70E+02	7.46E+01	3.29E+01	1.31E+02
14C	Ci	4.54E+01	4.12E+01	5.03E+01	2.28E+01	4.37E+01	7.01E+01	1.93E+01	8.35E+00	3.43E+01
59Ni	Ci	4.82E+00	4.31E+00	5.37E+00	4.69E+00	6.78E+00	8.84E+00	3.07E+00	3.09E+00	5.32E+00
60Co	Ci	4.22E+01	3.89E+01	4.71E+01	4.14E+01	4.06E+01	6.55E+01	1.80E+01	7.64E+00	4.66E+01
63Ni	Ci	4.78E+02	4.28E+02	5.33E+02	4.44E+02	6.53E+02	8.65E+02	2.96E+02	2.87E+02	5.28E+02
79Se	Ci	3.79E+00	3.45E+00	4.22E+00	1.94E+00	3.68E+00	5.90E+00	1.64E+00	7.33E-01	2.87E+00
90Sr	Ci	2.22E+05	4.23E+04	7.45E+04	8.84E+05	1.89E+05	5.21E+05	3.38E+04	1.94E+05	1.12E+05
90Y	Ci	2.22E+05	4.23E+04	7.45E+04	8.84E+05	1.89E+05	5.21E+05	3.38E+04	1.94E+05	1.12E+05
93Zr	Ci	1.83E+01	1.67E+01	2.04E+01	9.37E+00	1.78E+01	2.85E+01	7.90E+00	3.53E+00	2.02E+01
93mNb	Ci	1.32E+01	1.20E+01	1.47E+01	6.80E+00	1.29E+01	2.06E+01	5.73E+00	2.58E+00	1.46E+01
99Tc	Ci	2.51E+02	2.31E+02	2.80E+02	1.28E+02	8.86E+01	3.91E+02	1.08E+02	4.69E+01	1.91E+02
106Ru	Ci	8.41E-03	7.69E-03	9.40E-03	4.23E-03	8.10E-03	1.31E-02	3.58E-03	1.51E-03	6.37E-03
113mCd	Ci	9.67E+01	8.84E+01	1.08E+02	4.91E+01	9.35E+01	1.50E+02	4.15E+01	1.80E+01	1.07E+02
125Sb	Ci	1.89E+02	1.74E+02	2.11E+02	9.50E+01	1.82E+02	2.94E+02	8.04E+01	3.40E+01	2.09E+02
126Sn	Ci	5.66E+00	5.16E+00	6.31E+00	2.91E+00	5.51E+00	8.82E+00	2.45E+00	1.10E+00	6.26E+00
129I	Ci	4.86E-01	4.48E-01	5.42E-01	2.47E-01	4.70E-01	7.57E-01	2.09E-01	9.07E-02	3.68E-01
134Cs	Ci	2.05E+00	1.92E+00	2.29E+00	1.05E+00	1.99E+00	3.20E+00	8.82E-01	3.87E-01	1.56E+00
137Cs	Ci	2.85E+05	1.56E+05	2.27E+05	2.19E+05	2.32E+05	7.30E+05	2.41E+05	3.49E+05	1.44E+05
137mBa	Ci	2.70E+05	1.48E+05	2.15E+05	2.07E+05	2.19E+05	6.90E+05	2.28E+05	3.31E+05	1.36E+05
151Sm	Ci	1.31E+04	1.19E+04	1.46E+04	6.73E+03	1.28E+04	2.04E+04	5.68E+03	2.55E+03	1.45E+04
152Eu	Ci	5.93E+00	5.39E+00	6.64E+00	3.34E+00	6.05E+00	9.43E+00	2.75E+00	1.42E+00	6.56E+00
154Eu	Ci	7.11E+02	6.52E+02	7.95E+02	3.59E+02	6.86E+02	1.11E+03	3.03E+02	6.78E+01	7.87E+02
155Eu	Ci	3.60E+02	3.27E+02	4.03E+02	2.08E+02	3.72E+02	5.74E+02	1.70E+02	9.15E+01	3.98E+02
226Ra	Ci	2.01E-04	1.74E-04	2.03E-04	1.03E-04	1.94E-04	2.90E-04	8.54E-05	4.71E-05	2.19E-04
227Ac	Ci	2.62E-03	2.33E-03	8.49E-03	1.35E-03	2.55E-03	4.04E-03	1.14E-03	5.36E-04	2.89E-03
228Ra	Ci	2.25E+00	2.03E+00	2.52E+00	1.13E+00	2.17E+00	3.50E+00	9.59E-01	4.05E-01	2.49E+00
229Th	Ci	5.20E-02	4.68E-02	5.89E-02	2.62E-02	5.01E-02	8.08E-02	2.21E-02	9.36E-03	5.75E-02
231Pa	Ci	1.33E-02	1.19E-02	2.31E-02	6.80E-03	1.29E-02	2.07E-02	5.73E-03	2.55E-03	1.47E-02
232Th	Ci	8.32E-02	7.63E-02	9.30E-02	4.18E-02	8.98E-04	1.29E-01	3.54E-02	1.50E-02	9.20E-02
232U	Ci	1.51E+00	2.09E-01	2.10E+00	1.02E+01	3.42E+00	8.55E-01	5.92E+00	1.68E+01	4.19E-01
233U	Ci	5.80E+00	8.02E-01	8.05E+00	3.90E+01	1.31E+01	3.28E+00	2.27E+01	6.44E+01	1.61E+00
234U	Ci	2.73E+00	2.31E-01	6.39E-01	2.82E+00	3.29E+00	2.33E-01	3.10E+00	4.88E+00	6.79E-01
235U	Ci	1.20E-01	9.95E-03	2.40E-02	1.05E-01	1.41E-01	8.63E-03	1.25E-01	1.83E-01	2.96E-02
236U	Ci	2.85E-02	3.00E-03	2.10E-02	9.25E-02	4.60E-02	7.73E-03	6.86E-02	1.55E-01	7.39E-03
237Np	Ci	8.43E-01	7.76E-01	9.40E-01	4.32E-01	8.19E-01	1.31E+00	3.64E-01	1.62E-01	9.32E-01
238Pu	Ci	1.57E+00	2.28E+00	4.54E+00	5.40E+00	9.74E+00	3.14E+00	9.27E-01	8.70E+00	2.30E+00
238U	Ci	2.69E+00	2.24E-01	5.40E-01	2.36E+00	3.16E+00	1.94E-01	2.85E+00	4.12E+00	6.67E-01
239Pu	Ci	5.64E+01	8.16E+01	1.72E+02	1.98E+02	3.53E+02	1.13E+02	3.60E+01	5.14E+01	8.24E+01
240Pu	Ci	9.65E+00	1.40E+01	2.99E+01	3.34E+01	6.01E+01	1.93E+01	5.87E+00	8.42E+00	1.41E+01
241Am	Ci	5.90E+01	4.05E+01	6.59E+01	9.55E+01	1.72E+02	5.64E+01	1.59E+01	1.11E+01	4.03E+01
241Pu	Ci	1.13E+02	1.64E+02	3.40E+02	3.88E+02	7.01E+02	2.26E+02	6.59E+01	9.53E+01	1.65E+02
242Cm	Ci	7.94E-04	2.17E-03	1.17E-03	2.23E-02	2.11E-02	3.19E-03	2.76E-03	6.66E-03	5.40E-04
242Pu	Ci	5.45E-04	7.90E-04	1.37E-03	1.87E-03	3.37E-03	1.09E-03	3.17E-04	4.59E-04	7.96E-04
243Am	Ci	2.04E-03	1.41E-03	2.28E-03	3.27E-03	5.91E-03	1.95E-03	5.46E-04	3.71E-04	1.39E-03
243Cm	Ci	1.60E-05	1.60E-04	2.62E-05	4.56E-04	4.31E-04	6.53E-05	5.66E-05	1.36E-04	1.09E-05
244Cm	Ci	2.71E-04	1.26E-03	3.08E-04	6.41E-04	9.68E-04	2.86E-04	1.02E-04	1.28E-04	1.85E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 9 of 20)

Analyte	Units	BY-110	BY-111	BY-112	C-101	C-102	C-103	C-104	C-105	C-106
3H	Ci	1.04E+02	2.14E+02	1.40E+02	4.27E-01	1.46E+00	3.19E+01	1.02E+01	5.92E-01	2.13E+01
14C	Ci	2.70E+01	5.59E+01	3.64E+01	2.76E-01	2.11E-01	4.37E-01	1.18E+00	9.33E-01	1.10E+00
59Ni	Ci	4.95E+00	5.95E+00	3.98E+00	1.76E-02	4.09E-02	1.07E+01	2.63E+01	2.40E-02	2.00E+01
60Co	Ci	2.51E+01	5.21E+01	3.41E+01	9.88E+01	6.07E+02	1.30E+03	4.15E+02	1.61E+02	1.57E+00
63Ni	Ci	4.72E+02	5.91E+02	3.94E+02	1.63E+00	4.02E+00	1.05E+03	2.59E+03	2.27E+00	1.97E+03
79Se	Ci	2.30E+00	4.68E+00	3.06E+00	1.32E-02	4.42E-02	5.34E+00	1.51E+01	1.79E-02	4.74E+00
90Sr	Ci	2.72E+05	6.15E+04	1.44E+05	2.74E+05	1.82E+05	1.87E+06	6.29E+05	3.85E+05	1.11E+05
90Y	Ci	2.72E+05	6.15E+04	1.44E+05	2.74E+05	1.82E+05	1.87E+06	6.29E+05	3.85E+05	1.11E+05
93Zr	Ci	1.11E+01	2.26E+01	1.47E+01	6.24E-02	1.87E-01	2.28E+01	6.55E+01	8.46E-02	2.04E+01
93mNb	Ci	8.04E+00	1.63E+01	1.07E+01	5.11E-02	1.40E-01	2.01E+01	5.57E+01	6.81E-02	1.84E+01
99Tc	Ci	1.51E+02	3.10E+02	2.03E+02	4.01E+01	1.23E+00	2.13E+02	3.10E+01	9.93E+01	7.86E+00
106Ru	Ci	5.00E-03	1.04E-02	6.80E-03	1.78E-05	8.96E-04	2.63E-03	1.14E-01	5.48E-07	1.62E+01
113mCd	Ci	5.80E+01	1.20E+02	7.81E+01	1.87E-01	7.63E-01	3.03E+01	1.49E+02	2.86E-01	1.64E+01
125Sb	Ci	1.12E+02	2.34E+02	1.53E+02	8.51E-02	0.00E+00	3.71E+01	9.20E+00	8.88E-02	4.77E+00
126Sn	Ci	3.44E+00	7.00E+00	4.57E+00	2.00E-02	6.15E-02	8.64E+00	2.42E+01	2.76E-02	7.91E+00
129I	Ci	2.92E-01	6.01E-01	3.93E-01	4.53E-02	2.57E-03	5.94E-02	1.57E-02	1.09E-01	1.50E-02
134Cs	Ci	1.24E+00	2.54E+00	1.66E+00	4.46E-03	1.20E-01	1.93E+00	7.34E-01	2.27E-03	3.54E+01
137Cs	Ci	2.15E+05	2.26E+05	1.70E+05	4.21E+04	6.25E+04	7.65E+04	1.03E+05	1.31E+05	1.41E+05
137mBa	Ci	2.04E+05	2.14E+05	1.61E+05	3.99E+04	5.91E+04	7.24E+04	9.77E+04	1.24E+05	1.33E+05
151Sm	Ci	7.96E+03	1.62E+04	1.06E+04	4.85E+01	1.29E+02	2.03E+04	5.64E+04	6.48E+01	1.86E+04
152Eu	Ci	3.86E+00	7.34E+00	4.81E+00	1.68E-01	1.03E+00	8.46E+00	1.49E+01	1.45E-01	1.47E+01
154Eu	Ci	4.24E+02	8.80E+02	5.75E+02	5.72E-01	1.01E+02	7.01E+03	1.50E+03	9.95E-01	2.68E+01
155Eu	Ci	2.39E+02	4.45E+02	2.91E+02	1.20E+01	1.11E+02	6.32E+03	9.25E+02	8.58E+00	9.12E+02
226Ra	Ci	1.22E-04	2.38E-04	1.48E-04	4.02E-06	7.53E-04	6.98E-04	4.88E-03	2.28E-06	9.92E-04
227Ac	Ci	1.60E-03	3.21E-03	2.08E-03	1.56E-02	1.77E+01	3.66E-03	6.94E+01	1.18E-05	4.91E-03
228Ra	Ci	1.34E+00	2.79E+00	1.82E+00	5.09E-03	5.40E+00	5.11E-02	2.22E+01	2.45E-10	1.34E-04
229Th	Ci	3.09E-02	6.43E-02	4.20E-02	2.31E-03	1.59E-01	1.22E-03	4.93E-01	4.78E-08	3.77E-05
231Pa	Ci	8.03E-03	1.64E-02	1.07E-02	2.31E-02	2.97E+01	5.48E-03	1.25E+02	2.77E-05	4.93E-03
232Th	Ci	4.94E-02	1.03E-01	6.73E-02	2.37E-04	3.21E-02	5.98E-03	1.23E+00	2.03E-11	1.40E-05
232U	Ci	9.34E+00	7.94E+00	1.02E+01	1.09E-01	8.68E-01	1.01E-01	1.47E+01	1.16E-04	1.70E-03
233U	Ci	3.58E+01	3.04E+01	3.89E+01	4.22E-01	3.37E+00	3.87E-01	5.63E+01	3.90E-06	6.54E-03
234U	Ci	5.14E+00	9.07E+00	3.80E+00	1.72E+00	5.44E+00	1.11E+00	1.36E+01	2.21E+00	1.27E-01
235U	Ci	2.09E-01	3.91E-01	1.49E-01	7.41E-02	2.26E-01	4.73E-02	5.36E-01	9.44E-02	5.40E-03
236U	Ci	1.11E-01	1.16E-01	9.83E-02	3.00E-02	1.52E-01	2.03E-02	6.00E-01	3.83E-02	1.84E-02
237Np	Ci	5.11E-01	1.04E+00	6.81E-01	2.78E-03	8.93E-03	1.37E-01	2.79E-02	3.80E-03	4.45E-02
238Pu	Ci	1.66E+00	3.66E+00	1.05E+00	1.65E+01	1.70E+02	7.75E+01	2.06E+02	2.09E+01	1.30E+01
238U	Ci	4.76E+00	8.80E+00	3.34E+00	1.71E+00	5.17E+00	1.13E+00	1.15E+01	2.26E+00	1.28E-01
239Pu	Ci	6.52E+01	1.31E+02	3.76E+01	8.05E+02	5.88E+03	4.68E+03	4.70E+03	1.33E+03	2.65E+02
240Pu	Ci	1.06E+01	2.25E+01	6.45E+00	1.35E+02	1.08E+03	7.23E+02	9.26E+02	2.04E+02	5.42E+01
241Am	Ci	3.55E+01	6.42E+01	1.84E+01	4.86E+02	1.45E+03	9.05E+02	6.77E+03	7.86E+02	2.20E+02
241Pu	Ci	1.18E+02	2.64E+02	7.57E+01	1.29E+03	1.31E+04	5.63E+03	1.40E+04	1.52E+03	9.12E+02
242Cm	Ci	6.72E-03	8.49E-04	3.41E-04	8.47E+00	2.91E+01	1.18E+00	6.24E+00	8.92E+00	3.46E-01
242Pu	Ci	5.68E-04	1.27E-03	3.64E-04	4.00E-03	4.99E-02	2.25E-02	8.15E-02	5.80E-03	5.78E-03
243Am	Ci	1.22E-03	2.22E-03	6.38E-04	4.26E-03	1.37E-01	2.09E-02	3.50E-01	7.37E-03	2.92E-02
243Cm	Ci	1.38E-04	1.72E-05	6.96E-06	1.98E-01	2.65E+00	7.53E-02	5.74E-01	2.11E-01	3.18E-02
244Cm	Ci	2.42E-04	2.94E-04	8.54E-05	1.59E-01	5.90E+01	5.20E-01	2.20E+01	3.54E-01	7.45E-01

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 10 of 20)

Analyte	Units	C-107	C-108	C-109	C-110	C-111	C-112	C-201	C-202	C-203
3H	Ci	6.64E+00	4.12E-01	2.05E+00	1.06E+00	1.66E-01	2.55E+01	4.41E-03	8.19E-04	1.52E-02
14C	Ci	5.95E-01	6.78E-02	5.69E-03	3.12E-01	3.15E-02	2.73E+00	1.14E-02	1.13E-03	4.24E-02
59Ni	Ci	4.62E+01	5.35E-01	4.93E+00	1.75E-02	2.24E-01	9.42E+00	4.23E-01	4.23E-01	4.24E-01
60Co	Ci	7.54E+02	1.47E-02	3.30E-02	8.55E-03	9.09E-03	4.58E-02	1.36E-03	1.19E-03	1.90E-03
63Ni	Ci	4.55E+03	4.82E+01	4.68E+02	1.53E+00	2.02E+01	9.11E+02	4.15E+01	4.15E+01	4.15E+01
79Se	Ci	2.57E+01	1.43E-02	5.76E-02	1.81E+00	6.64E-03	2.39E-01	5.21E-03	4.94E-03	6.01E-03
90Sr	Ci	1.67E+06	9.45E+03	2.21E+05	4.63E+03	1.17E+06	1.25E+06	9.28E+02	1.46E+04	9.32E+03
90Y	Ci	1.67E+06	9.45E+03	2.21E+05	4.63E+03	1.17E+06	1.25E+06	9.28E+02	1.46E+04	9.32E+03
93Zr	Ci	1.11E+02	6.80E-02	2.62E-01	6.15E-02	3.15E-02	2.04E-01	2.31E-02	2.18E-02	2.69E-02
93mNb	Ci	9.54E+01	5.75E-02	2.21E-01	5.30E-02	2.64E-02	1.72E-01	1.95E-02	1.84E-02	2.28E-02
99Tc	Ci	1.05E+02	4.71E-01	3.06E+01	3.22E+01	2.19E-01	7.99E+01	1.68E-02	7.95E-03	4.33E-02
106Ru	Ci	1.99E-01	5.58E-09	6.60E-05	2.01E-10	6.59E-08	1.16E-05	9.41E-06	9.42E-06	9.40E-06
113mCd	Ci	2.37E+02	1.62E-01	6.60E-01	1.25E-01	8.15E-02	5.09E-01	5.87E-02	5.62E-02	6.65E-02
125Sb	Ci	6.22E+00	1.31E-02	5.47E-02	4.61E-03	1.35E-02	5.61E-02	4.66E-03	4.57E-03	4.95E-03
126Sn	Ci	4.14E+01	2.15E-02	8.99E-02	1.92E-02	1.00E-02	6.56E-02	8.28E-03	7.89E-03	9.47E-03
129I	Ci	7.81E-03	8.85E-04	1.54E-03	7.90E-04	4.13E-04	2.40E-03	3.18E-05	1.54E-05	8.12E-05
134Cs	Ci	7.45E-01	3.36E-03	1.23E-02	7.32E-05	1.64E-03	2.03E-02	4.52E-06	4.42E-06	4.82E-06
137Cs	Ci	3.06E+04	9.07E+04	2.37E+05	1.83E+04	1.21E+04	2.47E+05	1.76E+02	9.18E+01	3.18E+02
137mBa	Ci	2.89E+04	8.58E+04	2.24E+05	1.74E+04	1.15E+04	2.34E+05	1.66E+02	8.68E+01	3.01E+02
151Sm	Ci	9.63E+04	5.33E+01	2.16E+02	4.88E+01	2.46E+01	1.61E+02	1.95E+01	1.85E+01	2.26E+01
152Eu	Ci	2.41E+01	1.36E-01	2.52E+00	5.99E-03	4.09E-02	7.38E-01	3.25E-01	3.25E-01	3.26E-01
154Eu	Ci	3.42E+03	2.58E-01	1.76E+00	1.15E-01	1.80E-01	5.48E+02	1.91E-01	1.89E-01	1.98E-01
155Eu	Ci	3.35E+03	1.03E+01	1.67E+02	9.05E-01	2.89E+00	6.49E+02	2.12E+01	2.12E+01	2.13E+01
226Ra	Ci	3.11E-03	4.21E-06	2.64E-04	5.50E-06	1.88E-06	4.71E-05	3.73E-05	3.68E-05	3.88E-05
227Ac	Ci	3.92E-02	2.14E-05	1.29E-03	2.77E-05	9.57E-06	2.10E-03	1.81E-04	1.80E-04	1.85E-04
228Ra	Ci	7.54E-03	5.27E-10	2.39E-09	8.15E-11	1.31E-10	6.11E-04	2.09E-10	2.06E-10	2.19E-10
229Th	Ci	3.42E-03	1.02E-07	4.45E-07	1.57E-08	2.54E-08	2.77E-04	3.79E-08	3.73E-08	3.97E-08
231Pa	Ci	5.83E-02	4.62E-05	1.05E-04	5.78E-05	2.06E-05	2.89E-03	6.06E-06	4.86E-06	9.67E-06
232Th	Ci	3.51E-04	1.96E-11	3.31E-11	1.91E-11	8.83E-12	2.85E-05	6.65E-13	2.69E-13	1.86E-12
232U	Ci	3.28E-02	5.78E-07	1.48E-05	8.16E-06	2.97E-05	2.33E-01	8.45E-09	2.65E-08	1.53E-08
233U	Ci	1.28E-01	3.45E-08	8.80E-07	4.89E-07	1.33E-06	9.02E-01	5.06E-10	6.96E-10	9.14E-10
234U	Ci	1.28E+00	4.86E-02	1.23E+00	6.88E-01	1.39E+00	1.20E+01	7.13E-04	3.79E-04	1.29E-03
235U	Ci	5.71E-02	2.18E-03	5.53E-02	3.10E-02	6.20E-02	5.27E-01	3.21E-05	1.60E-05	5.79E-05
236U	Ci	1.23E-02	3.11E-04	7.93E-03	4.40E-03	1.24E-02	1.49E-01	4.55E-06	8.83E-06	8.22E-06
237Np	Ci	1.45E-02	2.89E-03	9.63E-02	2.55E-03	1.35E-03	3.47E-01	7.71E-05	2.41E-05	2.36E-04
238Pu	Ci	3.82E+01	1.21E-02	2.16E+00	2.35E-01	3.23E+00	5.47E+00	2.93E+00	7.64E-01	6.98E-01
238U	Ci	1.29E+00	4.92E-02	1.24E+00	6.97E-01	1.42E+00	1.21E+01	7.22E-04	3.77E-04	1.30E-03
239Pu	Ci	1.15E+03	3.08E+00	9.22E+01	7.37E+01	2.10E+02	6.00E+01	1.24E+02	3.23E+01	2.95E+01
240Pu	Ci	2.09E+02	1.99E-01	1.50E+01	4.34E+00	3.17E+01	9.53E+00	2.04E+01	5.31E+00	4.85E+00
241Am	Ci	1.60E+03	1.15E-01	4.45E+01	2.13E-02	1.19E-01	2.19E+02	4.19E+01	1.09E+01	9.96E+00
241Pu	Ci	2.77E+03	2.62E-01	1.56E+02	2.78E+00	2.34E+02	8.27E+01	2.12E+02	5.52E+01	5.04E+01
242Cm	Ci	1.34E+00	2.47E-03	7.72E-02	2.40E-05	1.71E-03	1.30E-01	6.74E-02	1.76E-02	1.60E-02
242Pu	Ci	1.45E-02	1.05E-06	7.65E-04	8.50E-06	8.93E-04	3.01E-04	1.04E-03	2.71E-04	2.48E-04
243Am	Ci	8.39E-02	7.92E-07	1.06E-03	5.96E-08	9.56E-07	5.00E-03	1.00E-03	2.62E-04	2.39E-04
243Cm	Ci	1.21E-01	5.05E-05	4.03E-03	3.57E-07	3.75E-05	3.64E-02	3.70E-03	9.62E-04	8.79E-04
244Cm	Ci	4.92E+00	1.86E-05	1.94E-03	9.12E-07	3.80E-05	8.73E-01	1.79E-03	4.67E-04	4.27E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 11 of 20)

Analyte	Units	C-204	S-101	S-102	S-103	S-104	S-105	S-106	S-107	S-108
3H	Ci	8.01E-03	2.73E+02	3.96E+02	1.80E+02	5.72E+00	3.45E+02	2.16E+02	9.99E+01	2.24E+02
14C	Ci	2.18E-02	3.18E+01	6.22E+01	3.43E+01	1.64E+00	4.24E+01	4.89E+01	1.31E+01	5.36E+01
59Ni	Ci	4.24E-01	9.22E+00	2.18E+00	2.29E+00	1.02E+01	3.13E+00	5.34E+00	6.28E+00	6.46E+00
60Co	Ci	1.54E-03	3.38E+01	5.61E+01	1.96E+02	6.68E+00	4.18E+01	8.13E+01	3.17E+02	6.50E+02
63Ni	Ci	4.15E+01	8.77E+02	2.09E+02	2.23E+02	9.71E+02	3.03E+02	5.23E+02	5.91E+02	6.30E+02
79Se	Ci	5.48E-03	5.18E+00	3.85E+00	3.06E+00	4.44E+00	4.63E+00	6.44E+00	1.74E+00	7.28E+00
90Sr	Ci	7.05E+02	6.90E+05	1.19E+05	4.20E+04	5.48E+05	2.70E+05	4.03E+04	4.04E+05	6.37E+04
90Y	Ci	7.05E+02	6.90E+05	1.19E+05	4.20E+04	5.48E+05	2.70E+05	4.03E+04	4.04E+05	6.37E+04
93Zr	Ci	2.43E-02	2.50E+01	1.89E+01	1.50E+01	2.10E+01	2.26E+01	3.16E+01	8.47E+00	3.57E+01
93mNb	Ci	2.06E-02	1.92E+01	1.38E+01	1.10E+01	1.71E+01	1.69E+01	2.32E+01	6.35E+00	2.62E+01
99Tc	Ci	2.56E-02	2.29E+02	4.54E+02	2.03E+02	4.42E+01	3.03E+02	2.40E+02	9.30E+01	2.49E+02
106Ru	Ci	9.41E-06	6.08E-03	7.22E-03	5.54E-03	1.46E-03	6.35E-03	1.15E-02	3.60E-03	1.30E-02
113mCd	Ci	6.14E-02	8.66E+01	9.75E+01	7.62E+01	3.13E+01	1.08E+02	1.59E+02	3.69E+01	1.80E+02
125Sb	Ci	4.76E-03	1.42E+02	1.89E+02	1.43E+02	2.31E+01	1.69E+02	2.95E+02	6.06E+01	3.33E+02
126Sn	Ci	8.68E-03	7.89E+00	5.81E+00	4.64E+00	6.81E+00	7.02E+00	9.77E+00	2.65E+00	1.10E+01
129I	Ci	4.83E-05	4.40E-01	8.78E-01	3.92E-01	1.16E-01	5.83E-01	4.63E-01	1.79E-01	4.80E-01
134Cs	Ci	4.62E-06	2.69E+00	4.78E+00	2.19E+00	1.42E+00	2.04E+00	2.89E+00	1.46E+00	3.09E+00
137Cs	Ci	1.34E+02	3.58E+05	3.29E+05	2.65E+05	1.10E+05	4.51E+05	2.81E+05	2.14E+05	3.60E+05
137mBa	Ci	1.26E+02	3.39E+05	3.12E+05	2.50E+05	1.04E+05	4.26E+05	2.66E+05	2.02E+05	3.41E+05
151Sm	Ci	2.05E+01	1.84E+04	1.36E+04	1.08E+04	1.58E+04	1.64E+04	2.27E+04	6.16E+03	2.57E+04
152Eu	Ci	3.25E-01	8.51E+00	5.16E+00	3.72E+00	8.29E+00	3.91E+00	7.27E+00	4.91E+00	8.35E+00
154Eu	Ci	1.93E-01	5.75E+02	5.06E+02	1.18E+03	1.60E+02	6.80E+02	2.52E+02	2.47E+02	3.04E+03
155Eu	Ci	2.13E+01	4.48E+02	9.03E+02	1.12E+03	4.10E+02	2.23E+02	1.03E+03	2.52E+02	2.75E+03
226Ra	Ci	3.78E-05	6.48E-04	2.49E-04	1.68E-04	7.28E-04	2.33E-04	2.90E-04	4.51E-04	3.50E-04
227Ac	Ci	1.82E-04	3.30E-03	1.39E-03	9.81E-04	3.62E-03	1.39E-03	1.80E-03	2.12E-03	2.13E-03
228Ra	Ci	2.12E-10	1.08E-01	1.21E-01	5.76E-02	9.61E-03	8.40E-02	8.73E-02	4.53E-02	9.86E-02
229Th	Ci	3.85E-08	2.55E-03	2.95E-03	1.45E-03	2.31E-04	1.99E-03	2.27E-03	1.06E-03	2.57E-03
231Pa	Ci	7.27E-06	7.03E-03	4.74E-03	3.81E-03	6.60E-03	5.90E-03	8.04E-03	2.24E-03	9.10E-03
232Th	Ci	1.06E-12	6.97E-03	1.34E-02	5.98E-03	1.29E-04	5.57E-03	8.49E-03	3.01E-03	9.59E-03
232U	Ci	6.42E-09	8.84E-01	1.53E+00	2.84E-01	8.65E-02	3.94E-01	4.75E-02	1.11E-01	2.94E-01
233U	Ci	3.84E-10	3.39E+00	5.88E+00	1.09E+00	3.31E-01	1.51E+00	1.82E-01	4.22E-01	1.13E+00
234U	Ci	5.41E-04	4.30E+00	1.82E+00	3.21E-01	4.20E+00	9.44E-01	2.74E-01	7.00E+00	7.15E-01
235U	Ci	2.43E-05	1.79E-01	7.41E-02	1.30E-02	1.71E-01	3.91E-02	1.15E-02	2.76E-01	2.96E-02
236U	Ci	3.46E-06	1.17E-01	5.67E-02	1.00E-02	7.52E-02	2.61E-02	6.94E-03	3.61E-01	2.02E-02
237Np	Ci	1.30E-04	8.73E-01	1.66E+00	7.49E-01	2.80E-01	1.23E+00	8.90E-01	3.58E-01	9.24E-01
238Pu	Ci	7.57E-03	1.14E+01	3.87E+00	4.90E+00	1.13E+01	1.52E+00	8.34E-01	7.36E+01	1.22E+01
238U	Ci	5.48E-04	4.05E+00	1.66E+00	2.92E-01	4.07E+00	8.88E-01	2.62E-01	5.55E+00	6.70E-01
239Pu	Ci	3.20E-01	6.63E+02	1.43E+02	1.92E+02	4.31E+02	6.08E+01	4.42E+01	1.76E+03	4.80E+02
240Pu	Ci	5.26E-02	9.69E+01	2.37E+01	3.08E+01	8.34E+01	9.77E+00	6.53E+00	3.15E+02	7.92E+01
241Am	Ci	1.08E-01	1.43E+02	1.52E+02	1.40E+02	7.45E+01	7.50E+01	1.62E+01	3.18E+01	2.15E+02
241Pu	Ci	5.47E-01	6.65E+02	2.60E+02	3.47E+02	4.60E+02	9.95E+01	4.97E+01	4.02E+03	7.99E+02
242Cm	Ci	1.74E-04	2.82E-01	3.88E-01	3.71E-01	6.71E-02	1.35E-01	3.06E-02	1.56E-01	4.18E-01
242Pu	Ci	2.69E-06	3.12E-03	1.41E-03	1.76E-03	6.59E-03	5.31E-04	2.37E-04	2.29E-02	4.28E-03
243Am	Ci	2.59E-06	4.68E-03	5.20E-03	4.85E-03	2.30E-03	1.99E-03	4.90E-04	1.23E-03	5.98E-03
243Cm	Ci	9.53E-06	1.96E-02	3.55E-02	3.35E-02	1.54E-03	1.17E-02	2.76E-03	1.13E-02	3.68E-02
244Cm	Ci	4.63E-06	1.76E-01	3.52E-01	3.29E-01	1.23E-03	1.30E-01	3.08E-02	1.56E-01	4.03E-01

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 12 of 20)

Analyte	Units	S-109	S-110	S-111	S-112	SX-101	SX-102	SX-103	SX-104	SX-105
3H	Ci	4.90E+02	2.88E+02	5.56E+02	5.23E+02	2.17E+02	5.92E+02	6.72E+02	2.32E+02	7.59E+02
14C	Ci	6.38E+01	3.93E+01	7.15E+01	6.68E+01	1.77E+01	8.82E+01	9.06E+01	4.12E+01	1.09E+02
59Ni	Ci	4.28E+00	7.40E+00	8.27E+00	4.73E+00	1.33E+01	8.80E+00	8.76E+00	1.13E+01	1.11E+01
60Co	Ci	6.52E+01	4.20E+01	7.49E+01	6.75E+01	1.72E+01	9.87E+01	1.01E+02	4.26E+02	1.21E+02
63Ni	Ci	4.16E+02	7.02E+02	7.91E+02	4.58E+02	1.26E+03	8.48E+02	8.54E+02	1.08E+03	1.09E+03
79Se	Ci	6.54E+00	3.89E+00	7.29E+00	6.97E+00	5.35E+00	8.54E+00	1.13E+01	6.70E+00	1.24E+01
90Sr	Ci	2.75E+05	3.67E+05	6.74E+05	2.99E+05	2.66E+05	2.78E+05	8.86E+05	4.74E+05	2.85E+05
90Y	Ci	2.75E+05	3.67E+05	6.74E+05	2.99E+05	2.66E+05	2.78E+05	8.86E+05	4.74E+05	2.85E+05
93Zr	Ci	3.20E+01	1.90E+01	3.57E+01	3.40E+01	2.55E+01	4.19E+01	5.48E+01	3.25E+01	5.99E+01
93mNb	Ci	2.36E+01	1.39E+01	2.62E+01	2.52E+01	2.03E+01	3.04E+01	4.08E+01	2.46E+01	4.49E+01
99Tc	Ci	4.54E+02	2.80E+02	5.11E+02	4.76E+02	1.31E+02	6.29E+02	6.48E+02	2.16E+02	7.75E+02
106Ru	Ci	1.02E-02	7.11E-03	1.25E-02	1.04E-02	3.29E-03	1.74E-02	1.85E-02	8.97E-03	2.15E-02
113mCd	Ci	1.57E+02	9.79E+01	1.82E+02	1.66E+02	5.62E+01	2.22E+02	2.40E+02	1.34E+02	2.76E+02
125Sb	Ci	2.69E+02	1.77E+02	3.13E+02	2.77E+02	6.81E+01	4.26E+02	4.32E+02	2.28E+02	5.20E+02
126Sn	Ci	9.90E+00	5.88E+00	1.10E+01	1.06E+01	8.19E+00	1.29E+01	1.71E+01	1.02E+01	1.85E+01
129I	Ci	8.75E-01	5.39E-01	9.84E-01	9.17E-01	2.50E-01	1.21E+00	1.25E+00	4.15E-01	1.49E+00
134Cs	Ci	2.86E+00	2.13E+00	3.91E+00	3.11E+00	2.09E+00	6.32E+00	7.86E+00	2.61E+00	7.85E+00
137Cs	Ci	1.06E+05	2.76E+05	3.55E+05	4.91E+05	2.45E+05	6.47E+05	8.26E+05	3.79E+05	7.63E+05
137mBa	Ci	1.00E+05	2.61E+05	3.36E+05	4.65E+05	2.32E+05	6.13E+05	7.82E+05	3.59E+05	7.22E+05
151Sm	Ci	2.31E+04	1.37E+04	2.57E+04	2.46E+04	1.90E+04	3.01E+04	3.97E+04	2.37E+04	4.38E+04
152Eu	Ci	5.84E+00	6.24E+00	8.64E+00	6.18E+00	1.04E+01	1.15E+01	1.40E+01	1.01E+01	1.74E+01
154Eu	Ci	1.04E+03	6.74E+02	4.97E+02	1.08E+03	3.31E+02	1.58E+03	1.67E+03	2.01E+03	1.96E+03
155Eu	Ci	3.36E+02	3.38E+02	4.82E+02	3.54E+02	5.23E+02	6.65E+02	7.97E+02	2.15E+03	9.82E+02
226Ra	Ci	3.01E-04	5.20E-04	5.80E-04	3.38E-04	9.48E-04	5.94E-04	5.86E-04	7.52E-04	8.02E-04
227Ac	Ci	1.82E-03	2.58E-03	3.08E-03	2.02E-03	4.66E-03	3.31E-03	3.55E-03	3.87E-03	4.46E-03
228Ra	Ci	1.11E-01	1.23E-01	1.54E-01	1.18E-01	4.61E-02	3.83E-01	3.95E-01	6.85E-02	4.04E-01
229Th	Ci	2.65E-03	2.91E-03	3.66E-03	2.80E-03	1.09E-03	9.00E-03	9.26E-03	1.78E-03	9.50E-03
231Pa	Ci	8.07E-03	4.78E-03	8.81E-03	8.68E-03	7.72E-03	1.06E-02	1.46E-02	8.86E-03	1.52E-02
232Th	Ci	7.51E-03	8.25E-03	1.08E-02	7.93E-03	2.57E-03	2.69E-02	2.59E-02	6.38E-03	2.71E-02
232U	Ci	1.46E-02	8.46E-01	8.47E-02	4.34E-01	2.64E-01	5.46E-01	4.57E-01	1.28E+00	4.62E-01
233U	Ci	5.61E-02	3.25E+00	3.25E-01	1.66E+00	1.01E+00	2.09E+00	1.75E+00	4.90E+00	1.77E+00
234U	Ci	4.98E-02	2.88E+00	2.26E-01	1.14E+00	1.19E+00	5.79E-01	5.82E-01	1.76E+00	5.65E-01
235U	Ci	2.08E-03	1.20E-01	9.40E-03	4.74E-02	4.82E-02	2.35E-02	2.35E-02	7.16E-02	2.29E-02
236U	Ci	1.32E-03	7.27E-02	6.24E-03	3.18E-02	4.45E-02	1.81E-02	1.95E-02	5.75E-02	1.80E-02
237Np	Ci	1.78E+00	1.05E+00	1.96E+00	1.89E+00	5.42E-01	2.28E+00	2.37E+00	8.55E-01	2.82E+00
238Pu	Ci	2.16E-01	1.01E+01	5.54E-01	2.68E+00	1.29E+01	6.42E+00	9.15E+00	1.67E+01	2.03E+01
238U	Ci	4.72E-02	2.74E+00	2.13E-01	1.08E+00	1.05E+00	5.27E-01	5.22E-01	1.60E+00	5.13E-01
239Pu	Ci	1.01E+01	6.01E+02	2.91E+01	1.11E+02	7.61E+02	2.88E+02	3.26E+02	8.19E+02	6.22E+02
240Pu	Ci	1.54E+00	8.77E+01	4.38E+00	1.76E+01	1.12E+02	4.54E+01	5.43E+01	1.25E+02	1.07E+02
241Am	Ci	6.62E+00	1.09E+02	1.24E+01	1.13E+02	2.05E+02	1.85E+02	3.69E+02	1.92E+02	7.12E+02
241Pu	Ci	1.35E+01	6.05E+02	3.45E+01	1.73E+02	7.51E+02	4.21E+02	5.88E+02	1.05E+03	1.22E+03
242Cm	Ci	1.31E-02	3.37E-01	2.98E-02	2.19E-01	3.10E-01	5.34E-01	7.70E-01	4.68E-01	1.76E+00
242Pu	Ci	6.81E-05	2.85E-03	1.71E-04	9.14E-04	3.62E-03	2.21E-03	3.19E-03	5.38E-03	6.73E-03
243Am	Ci	1.91E-04	3.56E-03	3.89E-04	3.15E-03	6.40E-03	6.53E-03	1.29E-02	6.56E-03	2.71E-02
243Cm	Ci	1.18E-03	2.48E-02	2.43E-03	1.94E-02	1.36E-02	4.64E-02	7.06E-02	3.82E-02	1.66E-01
244Cm	Ci	1.30E-02	2.38E-01	2.52E-02	2.13E-01	9.02E-02	4.48E-01	6.85E-01	3.63E-01	2.65E+00

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 13 of 20)

Analyte	Units	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112	SX-113	SX-114
3H	Ci	5.20E+02	3.47E+01	1.77E+01	1.74E+02	4.31E+01	6.29E+01	3.82E+01	2.21E-01	1.34E+02
14C	Ci	5.40E+01	1.85E+00	1.02E+00	8.99E+00	2.07E+00	3.16E+00	1.97E+00	1.71E-02	6.74E+00
59Ni	Ci	8.59E-01	1.13E+01	9.40E+00	1.23E+01	1.06E+01	1.60E+01	1.07E+01	1.12E-01	1.54E+01
60Co	Ci	8.13E+01	1.52E+00	7.15E-01	7.98E+00	2.03E+00	2.88E+00	1.71E+00	6.76E-03	6.21E+00
63Ni	Ci	8.46E+01	1.10E+03	9.08E+02	1.19E+03	1.05E+03	1.57E+03	1.05E+03	1.05E+01	1.51E+03
79Se	Ci	3.57E+00	3.73E+00	2.50E+00	7.19E+00	5.01E+00	6.59E+00	3.98E+00	3.63E-03	8.40E+00
90Sr	Ci	5.73E+03	1.98E+05	1.09E+06	1.10E+06	1.20E+05	2.36E+05	2.08E+05	3.88E+03	2.67E+05
90Y	Ci	5.73E+03	1.98E+05	1.09E+06	1.10E+06	1.20E+05	2.36E+05	2.08E+05	3.88E+03	2.67E+05
93Zr	Ci	1.75E+01	1.59E+01	1.05E+01	3.29E+01	2.14E+01	2.82E+01	1.70E+01	1.71E-02	3.71E+01
93mNb	Ci	1.28E+01	1.47E+01	9.90E+00	2.79E+01	1.98E+01	2.60E+01	1.57E+01	1.40E-02	3.29E+01
99Tc	Ci	5.97E+02	1.42E+01	7.66E+00	6.97E+01	1.63E+01	2.47E+01	1.53E+01	1.20E-01	5.26E+01
106Ru	Ci	6.75E-03	3.28E-04	1.32E-04	1.83E-03	5.03E-04	6.77E-04	3.89E-04	1.89E-08	1.47E-03
113mCd	Ci	9.07E+01	7.29E+00	3.80E+00	3.62E+01	8.78E+00	1.30E+01	7.95E+00	5.29E-02	2.77E+01
125Sb	Ci	1.76E+02	5.16E+00	2.21E+00	2.83E+01	7.49E+00	1.03E+01	6.01E+00	9.92E-03	2.24E+01
126Sn	Ci	5.39E+00	4.85E+00	3.19E+00	1.05E+01	6.53E+00	8.63E+00	5.21E+00	5.58E-03	1.16E+01
129I	Ci	1.15E+00	2.70E-02	1.46E-02	1.32E-01	3.10E-02	4.68E-02	2.90E-02	2.30E-04	9.98E-02
134Cs	Ci	6.07E+00	3.75E-01	1.73E-01	1.81E+00	5.56E-01	7.47E-01	4.35E-01	2.05E-04	1.50E+00
137Cs	Ci	5.02E+05	5.33E+04	7.04E+04	2.58E+05	3.22E+04	6.34E+04	5.59E+04	1.04E+03	2.02E+05
137mBa	Ci	4.75E+05	5.04E+04	6.66E+04	2.44E+05	3.05E+04	6.00E+04	5.29E+04	9.86E+02	1.91E+05
151Sm	Ci	1.26E+04	1.34E+04	8.96E+03	2.57E+04	1.80E+04	2.36E+04	1.43E+04	1.30E+01	3.00E+04
152Eu	Ci	4.35E+00	1.24E+01	9.46E+00	1.43E+01	1.46E+01	1.99E+01	1.25E+01	5.29E-02	2.04E+01
154Eu	Ci	1.15E+03	3.66E+01	1.74E+01	1.91E+02	4.88E+01	6.93E+01	4.13E+01	1.63E-01	1.49E+02
155Eu	Ci	1.09E+03	6.28E+02	4.76E+02	7.25E+02	7.45E+02	1.01E+03	6.36E+02	2.50E+00	1.04E+03
226Ra	Ci	1.60E-04	9.61E-04	7.87E-04	9.67E-04	9.51E-04	1.40E-03	9.22E-04	8.17E-06	1.32E-03
227Ac	Ci	9.79E-04	4.32E-03	3.50E-03	4.77E-03	4.32E-03	6.33E-03	4.16E-03	3.60E-05	6.21E-03
228Ra	Ci	1.14E-01	1.01E-03	1.58E-08	1.13E-02	1.79E-03	2.50E-03	1.37E-03	7.00E-11	7.93E-03
229Th	Ci	2.75E-03	2.58E-05	1.29E-06	2.73E-04	4.43E-05	6.22E-05	3.43E-05	1.34E-08	1.92E-04
231Pa	Ci	4.39E-03	4.15E-03	2.67E-03	9.77E-03	5.59E-03	7.42E-03	4.47E-03	5.43E-06	1.03E-02
232Th	Ci	1.25E-02	1.36E-05	5.77E-10	1.52E-04	2.40E-05	3.36E-05	1.84E-05	4.47E-12	1.06E-04
232U	Ci	8.28E-02	7.38E-02	1.31E-04	3.51E-01	6.25E-02	1.13E-01	9.09E-02	1.49E-06	2.01E-01
233U	Ci	3.18E-01	2.82E-01	4.19E-06	1.34E+00	2.39E-01	4.31E-01	3.48E-01	5.67E-08	7.69E-01
234U	Ci	1.77E-01	2.01E+00	2.30E+00	6.54E+00	1.26E+00	2.44E+00	2.13E+00	3.38E-02	3.77E+00
235U	Ci	7.45E-03	8.17E-02	9.62E-02	2.64E-01	5.07E-02	9.87E-02	8.65E-02	1.46E-03	1.52E-01
236U	Ci	4.28E-03	7.67E-02	6.46E-02	2.69E-01	5.58E-02	1.02E-01	8.61E-02	5.35E-04	1.58E-01
237Np	Ci	2.18E+00	6.62E-02	3.94E-02	3.07E-01	6.63E-02	1.07E-01	6.83E-02	7.77E-04	2.25E-01
238Pu	Ci	4.96E+00	8.56E+00	6.85E+00	7.35E+00	9.38E+00	1.31E+01	8.43E+00	5.00E-02	1.20E+01
238U	Ci	1.69E-01	1.77E+00	2.17E+00	5.64E+00	1.07E+00	2.10E+00	1.85E+00	3.45E-02	3.23E+00
239Pu	Ci	1.70E+02	2.50E+02	2.22E+02	2.22E+02	1.85E+02	3.13E+02	2.23E+02	3.57E+00	2.62E+02
240Pu	Ci	2.89E+01	4.25E+01	3.69E+01	3.74E+01	3.56E+01	5.65E+01	3.90E+01	5.11E-01	4.87E+01
241Am	Ci	2.07E+02	2.09E+02	1.52E+02	2.19E+02	2.80E+02	3.61E+02	2.20E+02	6.12E-02	3.67E+02
241Pu	Ci	3.35E+02	4.31E+02	3.50E+02	3.72E+02	4.51E+02	6.43E+02	4.19E+02	3.00E+00	5.83E+02
242Cm	Ci	5.29E-01	5.20E-01	4.03E-01	3.49E-01	6.43E-01	8.49E-01	5.29E-01	1.22E-03	7.50E-01
242Pu	Ci	1.84E-03	2.36E-03	1.89E-03	2.02E-03	2.58E-03	3.61E-03	2.32E-03	1.38E-05	3.30E-03
243Am	Ci	7.16E-03	9.27E-03	6.78E-03	8.70E-03	1.24E-02	1.60E-02	9.72E-03	5.72E-07	1.58E-02
243Cm	Ci	4.90E-02	4.97E-02	3.76E-02	3.32E-02	6.51E-02	8.39E-02	5.15E-02	2.79E-05	7.54E-02
244Cm	Ci	4.84E-01	1.48E+00	1.11E+00	9.85E-01	1.97E+00	2.52E+00	1.54E+00	2.04E-05	2.28E+00

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 14 of 20)

Analyte	Units	SX-115	SY-101	SY-102	SY-103	T-101	T-102	T-103	T-104	T-105
3H	Ci	5.73E+00	1.38E+03	1.77E+02	3.35E+00	6.18E+00	9.01E-01	1.70E+00	4.57E-01	5.11E+00
14C	Ci	3.11E-01	2.04E+02	2.36E+01	1.05E+02	1.18E+00	5.92E+00	3.04E-01	7.54E-02	4.12E-01
59Ni	Ci	4.92E-01	1.30E+01	1.88E+00	6.51E+00	6.33E-02	2.14E-03	1.64E-02	2.93E-02	4.80E-03
60Co	Ci	1.22E+02	2.28E+02	6.46E+01	1.47E+02	1.34E+00	7.63E-03	3.40E-01	2.16E-02	1.56E+01
63Ni	Ci	4.65E+01	1.28E+03	1.83E+02	6.39E+02	6.26E+00	2.06E-01	1.62E+00	2.62E+00	4.35E-01
79Se	Ci	1.69E-01	2.03E+01	3.00E+00	1.05E+01	9.18E-02	1.65E-03	2.38E-02	2.17E-02	3.57E-03
90Sr	Ci	3.82E+05	1.25E+05	3.78E+04	8.10E+04	1.18E+05	3.07E+04	2.71E+04	4.69E+03	1.16E+05
90Y	Ci	3.82E+05	1.25E+05	3.78E+04	8.10E+04	1.18E+05	3.07E+04	2.71E+04	4.69E+03	1.16E+05
93Zr	Ci	7.98E-01	9.95E+01	1.42E+01	5.15E+01	4.52E-01	7.79E-03	1.17E-01	1.03E-01	1.69E-02
93mNb	Ci	6.48E-01	7.21E+01	1.04E+01	3.73E+01	3.24E-01	6.03E-03	8.36E-02	8.73E-02	1.42E-02
99Tc	Ci	2.38E+00	1.46E+03	2.03E+02	7.66E+02	8.24E+00	2.32E+00	2.09E+00	9.68E-01	1.53E+02
106Ru	Ci	5.41E-05	4.16E-02	5.27E-03	2.16E-02	2.26E-04	1.20E-05	6.78E-05	7.84E-09	1.88E-09
113mCd	Ci	1.21E+00	5.26E+02	7.21E+01	2.73E+02	2.49E+00	3.06E-02	6.51E-01	2.43E-01	4.26E-02
125Sb	Ci	1.72E+02	9.89E+02	1.32E+02	5.24E+02	5.85E+00	3.98E-02	1.49E+00	1.89E-02	2.74E+02
126Sn	Ci	2.59E-01	3.06E+01	4.36E+00	1.58E+01	1.38E-01	2.50E-03	3.59E-02	3.26E-02	5.38E-03
129I	Ci	4.52E-03	2.79E+00	5.25E-01	2.58E-01	1.59E-02	1.04E-04	4.04E-03	1.34E-03	2.22E-04
134Cs	Ci	3.32E+00	1.68E+01	2.56E+00	9.00E+00	2.01E-02	2.63E-03	8.26E-03	7.43E-04	2.26E+01
137Cs	Ci	1.62E+04	2.20E+06	2.76E+05	1.12E+06	9.30E+04	7.30E+03	2.84E+04	2.79E+02	1.33E+04
137mBa	Ci	1.54E+04	2.08E+06	2.61E+05	1.06E+06	8.80E+04	6.90E+03	2.69E+04	2.64E+02	1.26E+04
151Sm	Ci	6.02E+02	7.14E+04	1.02E+04	3.69E+04	3.24E+02	6.04E+00	8.38E+01	8.10E+01	1.32E+01
152Eu	Ci	3.60E-01	2.46E+01	3.34E+00	1.27E+01	2.76E-01	4.26E-02	6.81E-02	3.10E-02	5.86E-03
154Eu	Ci	9.20E+02	3.73E+03	8.06E+02	1.76E+03	1.98E+01	6.31E+01	5.08E+00	4.14E+00	7.39E+02
155Eu	Ci	8.81E+02	1.46E+03	7.31E+02	1.62E+03	1.64E+01	6.95E+01	4.55E+00	4.03E+00	8.71E+02
226Ra	Ci	3.52E-05	8.54E-04	1.47E-04	4.36E-04	4.48E-06	1.11E-06	1.36E-06	6.60E-06	8.76E-07
227Ac	Ci	1.71E-04	5.42E-03	8.76E-04	2.75E-03	2.25E-05	1.06E-02	1.06E-02	3.36E-05	4.49E-06
228Ra	Ci	3.58E-04	8.65E-01	9.25E-02	5.56E-01	6.48E-05	3.46E-03	3.48E-03	1.32E-10	2.25E-11
229Th	Ci	8.62E-06	2.03E-02	2.19E-03	1.30E-02	3.05E-06	1.57E-03	1.57E-03	2.55E-08	4.37E-09
231Pa	Ci	2.51E-04	2.50E-02	3.57E-03	1.28E-02	9.55E-05	1.57E-02	1.57E-02	7.22E-05	9.88E-06
232Th	Ci	4.79E-06	5.84E-02	7.21E-03	4.58E-02	2.15E-05	1.61E-04	1.68E-04	2.99E-11	4.74E-12
232U	Ci	1.15E-02	8.99E-02	1.01E-01	6.21E-01	2.98E-03	1.79E-01	1.79E-01	9.36E-05	2.28E-05
233U	Ci	4.42E-02	3.45E-01	3.86E-01	2.38E+00	9.60E-03	6.94E-01	6.97E-01	3.27E-04	1.06E-06
234U	Ci	2.28E-01	9.69E-02	2.15E-01	6.16E-01	8.47E+00	1.97E+00	1.46E+00	4.45E-01	9.88E-01
235U	Ci	9.27E-03	3.93E-03	9.00E-03	2.49E-02	3.28E-01	8.51E-02	6.18E-02	1.98E-02	4.37E-02
236U	Ci	8.95E-03	3.05E-03	5.24E-03	1.94E-02	4.93E-01	3.47E-02	3.15E-02	3.80E-03	9.83E-03
237Np	Ci	1.11E-02	5.24E+00	1.08E+00	2.74E+00	2.94E-02	6.95E-02	7.38E-03	4.38E-03	7.28E-04
238Pu	Ci	2.23E+01	1.17E+00	1.51E-01	3.57E+01	2.49E+01	1.51E-01	4.01E+00	1.32E+00	4.22E-01
238U	Ci	1.99E-01	8.80E-02	2.03E-01	5.58E-01	6.21E+00	1.93E+00	1.41E+00	4.52E-01	1.00E+00
239Pu	Ci	1.36E+03	3.97E+01	2.60E+03	1.15E+02	6.92E+02	6.27E+00	1.67E+02	1.80E+02	9.91E+01
240Pu	Ci	1.99E+02	6.76E+00	6.49E+02	1.95E+01	1.14E+02	1.12E+00	2.97E+01	1.64E+01	6.69E+00
241Am	Ci	1.11E+03	6.33E+02	1.16E+04	1.44E+03	1.53E+00	3.32E+01	4.00E-01	2.42E+01	9.97E+01
241Pu	Ci	1.29E+03	7.94E+01	1.02E+01	2.29E+02	1.02E+03	1.21E+01	3.21E+02	5.53E+01	1.06E+01
242Cm	Ci	1.44E+00	1.72E+00	7.85E-04	3.83E+00	5.98E-03	6.31E-01	1.67E-03	6.77E-02	2.87E-01
242Pu	Ci	6.13E-03	4.37E-04	5.48E-05	1.26E-03	2.70E-03	3.39E-05	9.05E-04	2.53E-04	4.41E-05
243Am	Ci	3.37E-02	2.26E-02	2.80E-03	5.15E-02	5.90E-05	3.43E-04	1.51E-05	5.73E-04	7.07E-04
243Cm	Ci	3.30E-02	1.60E-01	5.74E-05	3.55E-01	4.50E-04	6.54E-03	1.20E-04	4.08E-03	5.88E-03
244Cm	Ci	2.57E-02	1.54E+00	6.83E-04	3.36E+00	4.66E-03	1.55E-01	1.16E-03	3.51E-02	1.68E-02

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 15 of 20)

Analyte	Units	T-106	T-107	T-108	T-109	T-110	T-111	T-112	T-201	T-202
3H	Ci	6.35E-02	2.19E-01	2.87E-01	6.56E-01	4.66E-02	5.45E-02	7.20E-03	2.58E+00	1.82E+00
14C	Ci	9.25E-03	5.61E-02	4.57E-02	9.78E-02	1.63E-02	1.98E-02	2.83E-03	4.45E-02	3.14E-02
59Ni	Ci	2.63E-03	1.60E-02	8.08E-02	1.99E-01	4.65E-03	1.09E-01	8.04E-04	9.66E-04	6.82E-04
60Co	Ci	3.94E-03	7.82E-03	9.71E-03	2.21E-02	9.22E+00	6.04E-01	7.62E-04	2.12E-01	1.50E-01
63Ni	Ci	2.44E-01	1.40E+00	7.26E+00	1.79E+01	4.16E-01	1.21E+01	7.33E-02	2.61E-02	1.84E-02
79Se	Ci	2.03E-03	1.18E-02	9.78E-03	2.10E-02	3.44E-03	4.17E-03	5.97E-04	3.68E-05	2.76E-05
90Sr	Ci	2.94E+03	1.05E+05	1.58E+03	2.45E+03	3.50E+04	1.11E+04	1.50E+03	2.13E+01	2.66E-01
90Y	Ci	2.94E+03	1.05E+05	1.58E+03	2.45E+03	3.50E+04	1.11E+04	1.50E+03	2.13E+01	2.66E-01
93Zr	Ci	9.64E-03	5.63E-02	4.65E-02	9.99E-02	1.64E-02	1.98E-02	2.83E-03	1.75E-04	1.31E-04
93mNb	Ci	7.87E-03	4.85E-02	3.94E-02	8.44E-02	1.39E-02	1.67E-02	2.37E-03	1.45E-04	1.08E-04
99Tc	Ci	6.70E-02	4.99E+01	3.22E-01	6.92E-01	1.13E-01	1.71E+01	2.28E+00	1.21E-03	9.09E-04
106Ru	Ci	3.66E-07	1.84E-10	3.49E-09	8.74E-09	1.20E-09	1.90E-09	3.88E-10	4.20E-11	3.15E-11
113mCd	Ci	2.86E-02	1.14E-01	1.09E-01	2.41E-01	3.84E-02	4.84E-02	7.45E-03	4.89E-04	3.67E-04
125Sb	Ci	8.98E-03	4.22E-03	8.45E-03	2.00E-02	2.93E-03	4.20E-03	7.75E-04	6.46E-05	4.85E-05
126Sn	Ci	3.05E-03	1.75E-02	1.47E-02	3.16E-02	5.17E-03	6.28E-03	9.04E-04	5.55E-05	4.16E-05
129I	Ci	1.27E-04	7.22E-04	6.05E-04	1.30E-03	2.13E-04	2.59E-04	3.72E-05	2.29E-06	1.72E-06
134Cs	Ci	3.85E-04	6.70E-05	3.76E-04	9.28E-04	1.18E-04	1.79E-04	3.56E-05	1.71E-01	1.21E-01
137Cs	Ci	1.83E+03	1.20E+04	1.00E+03	1.13E+03	5.67E+04	3.42E+02	4.62E+01	6.90E+00	3.00E+00
137mBa	Ci	1.74E+03	1.13E+04	9.48E+02	1.07E+03	5.36E+04	3.24E+02	4.37E+01	6.52E+00	2.84E+00
151Sm	Ci	7.39E+00	4.46E+01	3.65E+01	7.83E+01	1.29E+01	1.55E+01	2.21E+00	1.39E-01	1.04E-01
152Eu	Ci	1.66E-02	5.47E-03	1.05E-02	2.47E-02	1.40E-02	1.76E-02	3.47E-03	1.82E-04	1.37E-04
154Eu	Ci	8.66E-02	1.05E-01	1.69E-01	3.92E-01	1.58E+02	8.13E-02	1.46E-02	5.25E-01	3.70E-01
155Eu	Ci	9.49E-01	8.28E-01	8.54E-01	1.90E+00	1.75E+02	1.28E+00	2.33E-01	3.49E-01	2.46E-01
226Ra	Ci	3.22E-07	5.03E-06	2.96E-06	5.91E-06	1.06E-06	1.14E-06	1.21E-07	8.22E-09	6.17E-09
227Ac	Ci	1.66E-06	2.54E-05	1.52E-05	3.04E-05	5.41E-06	5.83E-06	6.27E-07	4.34E-08	3.25E-08
228Ra	Ci	3.26E-11	7.45E-11	4.83E-11	9.87E-11	5.52E-11	6.08E-11	9.57E-12	5.29E-13	3.96E-13
229Th	Ci	3.32E-09	1.44E-08	9.36E-09	1.91E-08	1.07E-08	1.18E-08	1.86E-09	1.02E-10	7.67E-11
231Pa	Ci	3.83E-06	5.28E-05	3.27E-05	6.61E-05	1.16E-05	1.27E-05	1.41E-06	1.00E-07	7.51E-08
232Th	Ci	3.70E-12	1.74E-11	1.35E-11	2.86E-11	4.76E-12	5.64E-12	7.73E-13	4.62E-14	3.46E-14
232U	Ci	1.55E-05	8.74E-05	7.05E-06	1.34E-06	6.96E-06	4.31E-05	7.33E-06	5.36E-08	6.63E-08
233U	Ci	5.49E-07	5.23E-06	3.86E-07	6.36E-08	3.84E-07	2.21E-06	3.36E-07	2.45E-09	3.03E-09
234U	Ci	3.62E-01	7.37E+00	4.87E-01	6.28E-02	4.89E-01	2.52E+00	3.05E-01	2.67E-03	3.31E-03
235U	Ci	1.51E-02	3.31E-01	2.18E-02	2.79E-03	2.19E-02	1.13E-01	1.35E-02	1.19E-04	1.47E-04
236U	Ci	1.11E-02	4.71E-02	3.51E-03	5.88E-04	3.49E-03	2.03E-02	3.12E-03	2.33E-05	2.88E-05
237Np	Ci	4.76E-04	2.33E-03	1.98E-03	4.26E-03	6.94E-04	8.47E-04	1.23E-04	7.51E-06	5.63E-06
238Pu	Ci	1.83E-01	4.47E-01	1.35E-01	8.11E-02	6.29E-01	1.82E+00	5.40E-01	9.57E-01	6.75E-01
238U	Ci	3.27E-01	7.46E+00	4.94E-01	6.38E-02	4.96E-01	2.56E+00	3.10E-01	2.71E-03	3.36E-03
239Pu	Ci	7.34E+00	1.40E+02	2.47E+01	1.35E+01	1.20E+02	2.77E+02	6.71E+01	9.21E+01	1.69E+01
240Pu	Ci	1.11E+00	8.26E+00	1.90E+00	1.10E+00	9.17E+00	2.37E+01	6.55E+00	8.08E+00	1.48E+00
241Am	Ci	9.23E-01	1.38E+01	2.71E-01	1.79E-01	5.93E+01	9.16E+01	2.77E-02	4.37E+00	3.08E+00
241Pu	Ci	8.33E+00	5.29E+00	4.56E+00	2.98E+00	2.05E+01	7.10E+01	2.37E+01	2.67E+01	4.91E+00
242Cm	Ci	7.17E-03	1.56E-02	6.08E-04	4.08E-04	4.73E-01	8.05E-01	2.55E-04	4.26E-02	3.01E-02
242Pu	Ci	2.73E-05	1.62E-05	2.01E-05	1.33E-05	8.97E-05	3.20E-04	1.08E-04	1.24E-04	2.27E-05
243Am	Ci	7.44E-06	3.87E-05	1.84E-06	1.24E-06	3.87E-04	6.40E-04	2.00E-07	3.55E-05	2.50E-05
243Cm	Ci	1.62E-04	2.32E-04	1.24E-05	8.35E-06	9.63E-03	1.65E-02	5.25E-06	9.18E-04	6.48E-04
244Cm	Ci	2.21E-04	5.93E-04	4.03E-05	2.73E-05	9.00E-03	1.51E-02	4.77E-06	9.02E-04	6.36E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 16 of 20)

Analyte	Units	T-203	T-204	TX-101	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107
3H	Ci	3.03E+00	3.22E+00	1.61E+01	1.28E+02	4.19E+01	2.75E+01	3.54E+02	1.96E+02	3.13E+00
14C	Ci	5.23E-02	5.55E-02	1.80E+00	1.79E+01	6.12E+00	4.01E+00	5.06E+01	2.77E+01	5.17E-01
59Ni	Ci	1.14E-03	1.21E-03	4.01E+00	1.32E+00	4.55E-01	2.92E-01	3.85E+00	2.32E+00	3.54E-02
60Co	Ci	2.49E-01	2.65E-01	1.51E+00	2.04E+01	6.80E+00	4.33E+00	5.53E+01	3.07E+01	4.91E-01
63Ni	Ci	3.07E-02	3.25E-02	3.75E+02	1.29E+02	4.46E+01	2.86E+01	3.78E+02	2.26E+02	3.44E+00
79Se	Ci	4.60E-05	5.00E-05	2.46E-01	1.96E+00	6.23E-01	4.29E-01	5.20E+00	2.94E+00	4.99E-02
90Sr	Ci	4.54E-01	8.68E-01	2.50E+05	6.95E+04	2.08E+04	1.49E+04	1.68E+05	1.12E+05	1.71E+03
90Y	Ci	4.54E-01	8.68E-01	2.50E+05	6.95E+04	2.08E+04	1.49E+04	1.68E+05	1.12E+05	1.71E+03
93Zr	Ci	2.18E-04	2.37E-04	1.18E+00	9.64E+00	3.06E+00	2.11E+00	2.55E+01	1.44E+01	2.44E-01
93mNb	Ci	1.81E-04	1.96E-04	9.14E-01	6.96E+00	2.22E+00	1.53E+00	1.85E+01	1.05E+01	1.79E-01
99Tc	Ci	1.51E-03	1.64E-03	1.25E+01	1.28E+02	4.36E+01	2.74E+01	3.60E+02	1.97E+02	3.16E+00
106Ru	Ci	5.25E-11	5.70E-11	2.24E-04	3.88E-03	1.24E-03	8.52E-04	9.88E-03	5.71E-03	9.51E-05
113mCd	Ci	6.12E-04	6.64E-04	4.86E+00	5.07E+01	1.59E+01	1.09E+01	1.32E+02	7.46E+01	1.24E+00
125Sb	Ci	8.08E-05	8.77E-05	5.78E+00	8.91E+01	2.92E+01	1.89E+01	2.35E+02	1.32E+02	2.13E+00
126Sn	Ci	6.94E-05	7.53E-05	3.74E-01	2.96E+00	9.41E-01	6.48E-01	7.84E+00	4.44E+00	7.53E-02
129I	Ci	2.86E-06	3.10E-06	2.41E-02	2.46E-01	8.40E-02	5.28E-02	6.94E-01	3.80E-01	6.09E-03
134Cs	Ci	2.01E-01	2.13E-01	9.16E-02	2.49E+00	5.15E-01	4.93E-01	4.05E+00	2.75E+00	5.33E-02
137Cs	Ci	3.19E+00	1.46E+00	4.77E+04	1.56E+05	5.62E+04	4.06E+04	4.37E+05	2.44E+05	2.42E+04
137mBa	Ci	3.02E+00	1.38E+00	4.52E+04	1.47E+05	5.32E+04	3.84E+04	4.13E+05	2.31E+05	2.29E+04
151Sm	Ci	1.74E-01	1.89E-01	8.71E+02	6.89E+03	2.19E+03	1.51E+03	1.83E+04	1.03E+04	1.76E+02
152Eu	Ci	2.28E-04	2.47E-04	1.99E+00	2.72E+00	7.22E-01	5.66E-01	5.67E+00	3.59E+00	6.37E-02
154Eu	Ci	6.17E-01	6.55E-01	2.65E+01	3.52E+02	1.10E+02	7.45E+01	8.91E+02	5.08E+02	8.36E+00
155Eu	Ci	4.11E-01	4.36E-01	9.53E+01	1.63E+02	4.29E+01	3.43E+01	3.36E+02	2.12E+02	3.98E+00
226Ra	Ci	1.03E-08	1.12E-08	2.93E-04	9.04E-05	2.90E-05	2.90E-05	2.51E-04	1.55E-04	6.37E-06
227Ac	Ci	5.42E-08	5.89E-08	1.30E-03	5.83E-04	1.88E-04	1.50E-04	1.63E-03	9.72E-04	2.48E-05
228Ra	Ci	6.61E-13	7.17E-13	4.20E-03	1.38E-01	4.29E-02	2.93E-02	4.09E-01	2.19E-01	3.35E-03
229Th	Ci	1.28E-10	1.39E-10	9.90E-05	3.19E-03	9.96E-04	6.80E-04	9.48E-03	5.08E-03	7.76E-05
231Pa	Ci	1.25E-07	1.36E-07	3.39E-04	2.62E-03	8.33E-04	5.87E-04	7.17E-03	4.00E-03	7.35E-05
232Th	Ci	5.77E-14	6.27E-14	2.78E-04	8.45E-03	2.65E-03	1.80E-03	2.51E-02	1.35E-02	2.06E-04
232U	Ci	6.70E-08	7.27E-08	1.73E-02	8.01E-02	1.24E-01	1.41E-03	1.82E-01	1.10E+00	6.40E-04
233U	Ci	3.06E-09	3.32E-09	6.64E-02	3.07E-01	4.74E-01	5.39E-03	6.98E-01	4.20E+00	2.45E-03
234U	Ci	3.34E-03	3.63E-03	1.27E+00	1.87E-01	1.43E-01	9.08E-02	5.19E-01	1.42E+00	1.59E-01
235U	Ci	1.49E-04	1.61E-04	5.69E-02	8.07E-03	5.90E-03	4.08E-03	2.26E-02	5.96E-02	7.15E-03
236U	Ci	2.91E-05	3.16E-05	8.87E-03	2.92E-03	3.78E-03	6.10E-04	7.19E-03	3.26E-02	1.03E-03
237Np	Ci	9.39E-06	1.02E-05	5.82E-02	4.56E-01	1.56E-01	9.88E-02	1.30E+00	7.11E-01	1.15E-02
238Pu	Ci	1.12E+00	1.19E+00	1.80E+00	8.51E-01	2.62E-01	2.25E+00	2.09E+00	1.31E+00	2.05E-02
238U	Ci	3.39E-03	3.68E-03	1.28E+00	1.81E-01	1.32E-01	9.18E-02	5.08E-01	1.33E+00	1.61E-01
239Pu	Ci	2.29E+01	1.81E+01	2.32E+02	2.97E+01	9.91E+00	8.11E+01	7.55E+01	5.02E+01	8.10E-01
240Pu	Ci	2.01E+00	1.59E+00	4.45E+01	5.00E+00	1.60E+00	1.34E+01	1.25E+01	8.22E+00	1.25E-01
241Am	Ci	5.85E+00	4.24E+00	1.15E+02	3.51E+01	1.16E+01	9.68E+01	9.44E+01	5.40E+01	8.84E-01
241Pu	Ci	6.63E+00	5.24E+00	1.08E+02	5.69E+01	1.73E+01	1.50E+02	1.37E+02	8.60E+01	1.35E+00
242Cm	Ci	5.71E-02	4.14E-02	4.75E-02	1.04E-01	2.81E-02	2.69E-01	2.19E-01	1.37E-01	2.39E-03
242Pu	Ci	3.07E-05	2.42E-05	5.00E-04	3.13E-04	9.49E-05	8.26E-04	7.49E-04	4.66E-04	7.43E-06
243Am	Ci	4.75E-05	3.45E-05	8.68E-05	1.23E-03	3.92E-04	3.44E-03	3.18E-03	1.85E-03	3.10E-05
243Cm	Ci	1.23E-03	8.92E-04	1.43E-03	9.58E-03	2.61E-03	2.48E-02	2.03E-02	1.25E-02	2.20E-04
244Cm	Ci	1.21E-03	8.76E-04	5.20E-03	8.18E-02	2.62E-02	2.23E-01	2.10E-01	1.21E-01	2.01E-03

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 17 of 20)

Analyte	Units	TX-108	TX-109	TX-110	TX-111	TX-112	TX-113	TX-114	TX-115	TX-116
3H	Ci	5.75E+01	1.39E+00	1.34E-01	1.86E+02	3.65E+02	2.42E+02	2.74E+02	3.30E+02	1.19E+02
14C	Ci	8.21E+00	2.40E-01	3.07E+01	2.58E+01	5.21E+01	3.42E+01	3.86E+01	4.70E+01	1.76E+01
59Ni	Ci	6.28E-01	4.83E-02	2.30E+00	1.93E+00	4.06E+00	2.60E+00	3.10E+00	3.58E+00	2.43E+00
60Co	Ci	8.96E+00	3.89E-02	3.48E+01	2.93E+01	5.71E+01	3.80E+01	4.30E+01	5.15E+01	1.87E+01
63Ni	Ci	6.15E+01	4.36E+00	2.25E+02	1.89E+02	3.97E+02	2.54E+02	3.02E+02	3.51E+02	2.29E+02
79Se	Ci	8.40E-01	3.58E-02	3.40E+00	2.89E+00	5.37E+00	3.68E+00	4.16E+00	4.85E+00	1.79E+00
90Sr	Ci	2.71E+04	1.10E+05	1.20E+05	1.03E+05	1.74E+05	1.33E+05	1.42E+05	1.57E+05	6.60E+04
90Y	Ci	2.71E+04	1.10E+05	1.20E+05	1.03E+05	1.74E+05	1.33E+05	1.42E+05	1.57E+05	6.60E+04
93Zr	Ci	4.12E+00	1.70E-01	1.67E+01	1.42E+01	2.64E+01	1.80E+01	2.04E+01	2.38E+01	8.80E+00
93mNb	Ci	2.99E+00	1.44E-01	1.21E+01	1.03E+01	1.91E+01	1.31E+01	1.48E+01	1.73E+01	6.42E+00
99Tc	Ci	5.85E+01	1.18E+00	2.19E+02	1.84E+02	3.72E+02	2.43E+02	2.75E+02	3.35E+02	1.25E+02
106Ru	Ci	1.59E-03	1.62E-08	6.82E-03	5.82E-03	1.02E-02	7.17E-03	8.12E-03	9.24E-03	3.03E-03
113mCd	Ci	2.13E+01	4.16E-01	8.67E+01	7.36E+01	1.36E+02	9.32E+01	1.05E+02	1.23E+02	4.46E+01
125Sb	Ci	3.80E+01	3.61E-02	1.52E+02	1.28E+02	2.43E+02	1.64E+02	1.85E+02	2.19E+02	7.85E+01
126Sn	Ci	1.27E+00	5.39E-02	5.14E+00	4.36E+00	8.11E+00	5.55E+00	6.28E+00	7.32E+00	2.70E+00
129I	Ci	1.13E-01	2.22E-03	4.22E-01	3.55E-01	7.17E-01	4.69E-01	5.30E-01	6.46E-01	2.41E-01
134Cs	Ci	6.47E-01	1.50E-03	3.54E+00	2.03E+00	5.30E+00	2.63E+00	6.40E+00	3.52E+00	1.81E+01
137Cs	Ci	9.22E+04	1.25E+04	3.06E+05	2.36E+05	4.49E+05	3.10E+05	3.40E+05	4.07E+05	6.83E+04
137mBa	Ci	8.72E+04	1.18E+04	2.89E+05	2.23E+05	4.24E+05	2.93E+05	3.22E+05	3.85E+05	6.46E+04
151Sm	Ci	2.96E+03	1.33E+02	1.20E+04	1.02E+04	1.89E+04	1.29E+04	1.46E+04	1.71E+04	6.32E+03
152Eu	Ci	9.20E-01	5.05E-02	4.49E+00	3.89E+00	5.88E+00	4.50E+00	5.10E+00	5.35E+00	1.93E+00
154Eu	Ci	1.44E+02	5.53E+00	5.96E+02	5.07E+02	9.20E+02	6.35E+02	7.19E+02	8.32E+02	2.94E+02
155Eu	Ci	5.47E+01	6.24E+01	2.69E+02	2.33E+02	3.49E+02	2.69E+02	3.04E+02	3.17E+02	1.17E+02
226Ra	Ci	4.12E-05	9.76E-06	1.58E-04	1.34E-04	2.58E-04	1.75E-04	2.00E-04	2.31E-04	1.11E-04
227Ac	Ci	2.66E-04	4.98E-05	1.02E-03	8.66E-04	1.68E-03	1.14E-03	1.29E-03	1.51E-03	7.06E-04
228Ra	Ci	6.77E-02	1.95E-10	2.36E-01	1.97E-01	4.22E-01	2.68E-01	3.02E-01	3.80E-01	1.67E-01
229Th	Ci	1.57E-03	3.79E-08	5.47E-03	4.56E-03	9.78E-03	6.21E-03	7.01E-03	8.81E-03	3.88E-03
231Pa	Ci	1.17E-03	1.08E-04	4.54E-03	3.84E-03	7.42E-03	4.99E-03	5.65E-03	6.68E-03	2.81E-03
232Th	Ci	4.15E-03	4.84E-11	1.45E-02	1.21E-02	2.59E-02	1.65E-02	1.86E-02	2.33E-02	1.03E-02
232U	Ci	6.01E-02	1.47E-04	4.44E-01	3.66E-01	5.71E-01	7.40E-02	3.28E-01	6.50E-01	9.32E-02
233U	Ci	2.30E-01	7.30E-06	1.70E+00	1.40E+00	2.19E+00	2.84E-01	1.26E+00	2.49E+00	3.57E-01
234U	Ci	2.34E-01	7.86E+00	1.15E+00	1.19E+00	6.04E-01	6.19E-01	5.82E-01	5.32E-01	8.33E-01
235U	Ci	1.03E-02	3.50E-01	4.95E-02	5.12E-02	2.48E-02	2.71E-02	2.47E-02	2.13E-02	3.66E-02
236U	Ci	2.76E-03	6.72E-02	1.92E-02	1.89E-02	1.64E-02	7.69E-03	1.17E-02	1.72E-02	9.38E-03
237Np	Ci	2.11E-01	7.28E-03	7.87E-01	6.61E-01	1.34E+00	8.78E-01	9.92E-01	1.21E+00	4.58E-01
238Pu	Ci	3.36E-01	1.94E+00	1.50E+00	6.58E-01	2.19E+00	1.83E+00	1.81E+00	1.95E+00	1.12E+00
238U	Ci	2.31E-01	7.98E+00	1.12E+00	1.17E+00	5.54E-01	6.21E-01	5.58E-01	4.73E-01	8.37E-01
239Pu	Ci	1.22E+01	2.70E+02	5.71E+01	2.62E+01	8.34E+01	9.25E+01	7.54E+01	7.04E+01	9.90E+01
240Pu	Ci	2.01E+00	2.45E+01	9.14E+00	4.10E+00	1.34E+01	1.28E+01	1.14E+01	1.17E+01	9.96E+00
241Am	Ci	1.51E+01	3.18E+01	6.25E+01	2.67E+01	9.76E+01	6.77E+01	7.65E+01	8.82E+01	2.77E+01
241Pu	Ci	2.21E+01	8.03E+01	9.88E+01	4.31E+01	1.43E+02	1.14E+02	1.18E+02	1.29E+02	6.06E+01
242Cm	Ci	3.52E-02	8.94E-02	1.73E-01	7.54E-02	2.27E-01	1.73E-01	1.96E-01	2.06E-01	7.04E-02
242Pu	Ci	1.20E-04	3.64E-04	5.43E-04	2.37E-04	7.79E-04	6.16E-04	6.42E-04	7.01E-04	3.08E-04
243Am	Ci	5.10E-04	2.22E-04	2.22E-03	9.55E-04	3.29E-03	2.33E-03	2.64E-03	2.98E-03	9.42E-04
243Cm	Ci	3.26E-03	1.83E-03	1.60E-02	6.94E-03	2.11E-02	1.60E-02	1.81E-02	1.91E-02	6.35E-03
244Cm	Ci	3.38E-02	5.26E-03	1.44E-01	6.16E-02	2.17E-01	1.52E-01	1.72E-01	1.97E-01	6.43E-02

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 18 of 20)

Analyte	Units	TX-117	TX-118	TY-101	TY-102	TY-103	TY-104	TY-105	TY-106	U-101
3H	Ci	1.68E+02	9.83E+01	6.67E-01	1.89E+01	2.45E+01	1.74E-01	3.24E+00	8.63E-03	7.91E-02
14C	Ci	2.44E+01	1.38E+01	6.38E-01	3.98E-01	1.04E+00	9.36E-01	1.05E+00	1.02E-01	2.27E-01
59Ni	Ci	2.66E+00	9.82E-01	4.00E-01	3.01E-01	4.41E-01	1.05E-01	1.27E-01	3.39E-04	8.01E-03
60Co	Ci	2.62E+01	1.53E+01	2.47E+00	3.42E-01	1.59E+00	2.22E+00	6.69E+00	2.73E-04	3.92E-03
63Ni	Ci	2.55E+02	9.61E+01	3.63E+01	2.87E+01	4.20E+01	9.61E+00	1.15E+01	3.06E-02	7.03E-01
79Se	Ci	2.53E+00	1.43E+00	2.64E-02	2.83E-01	3.64E-01	7.36E-03	9.45E-02	2.52E-04	5.92E-03
90Sr	Ci	8.60E+04	4.84E+04	7.47E+03	1.72E+03	9.44E+04	3.18E+04	2.52E+05	9.78E+03	4.25E+04
90Y	Ci	8.61E+04	4.84E+04	7.47E+03	1.72E+03	9.44E+04	3.18E+04	2.52E+05	9.78E+03	4.25E+04
93Zr	Ci	1.24E+01	7.04E+00	1.26E-01	1.38E+00	1.78E+00	3.50E-02	4.49E-01	1.20E-03	2.82E-02
93mNb	Ci	9.04E+00	5.11E+00	1.06E-01	1.01E+00	1.30E+00	2.93E-02	3.79E-01	1.01E-03	2.43E-02
99Tc	Ci	1.74E+02	9.85E+01	5.39E+00	3.59E-01	1.69E+01	9.06E+00	4.40E+01	1.07E+01	1.94E-01
106Ru	Ci	4.25E-03	2.79E-03	1.33E-08	5.18E-04	6.29E-04	4.13E-09	4.27E-08	1.14E-10	9.24E-11
113mCd	Ci	6.33E+01	3.66E+01	3.13E-01	7.01E+00	8.98E+00	8.90E-02	1.10E+00	2.92E-03	5.73E-02
125Sb	Ci	1.10E+02	6.57E+01	2.85E-02	1.23E+01	1.56E+01	8.59E-03	9.49E-02	2.53E-04	2.12E-03
126Sn	Ci	3.81E+00	2.17E+00	3.98E-02	4.26E-01	5.48E-01	1.11E-02	1.42E-01	3.79E-04	8.79E-03
129I	Ci	3.36E-01	1.90E-01	3.44E-02	8.65E-03	4.82E-02	4.58E-04	4.60E-02	1.56E-05	3.62E-04
134Cs	Ci	1.27E+01	1.92E+00	7.92E-03	2.11E-01	2.57E-01	3.04E-03	8.90E-04	3.18E-06	2.26E-06
137Cs	Ci	2.91E+05	1.86E+05	1.72E+02	1.26E+03	1.54E+04	1.10E+04	1.05E+04	1.58E+03	1.14E+04
137mBa	Ci	2.75E+05	1.76E+05	1.63E+02	1.19E+03	1.45E+04	1.04E+04	9.95E+03	1.50E+03	1.08E+04
151Sm	Ci	8.90E+03	5.05E+03	9.82E+01	9.96E+02	1.28E+03	2.73E+01	3.52E+02	9.37E-01	2.24E+01
152Eu	Ci	2.68E+00	1.70E+00	6.06E-02	3.08E-01	5.52E-01	5.28E-02	4.42E-01	2.73E-03	5.23E-03
154Eu	Ci	4.13E+02	2.53E+02	5.49E-01	4.68E+01	5.91E+01	1.64E-01	1.85E+00	4.92E-03	5.27E-02
155Eu	Ci	1.62E+02	1.01E+02	4.26E+00	1.85E+01	3.56E+01	3.84E+00	3.33E+01	2.06E-01	7.91E-01
226Ra	Ci	1.41E-04	6.47E-05	6.67E-06	1.59E-05	2.18E-05	1.72E-06	2.58E-05	6.87E-08	1.14E-05
227Ac	Ci	9.48E-04	4.12E-04	3.44E-05	1.00E-04	1.36E-04	8.86E-06	1.32E-04	3.51E-07	2.86E-05
228Ra	Ci	3.16E-01	7.71E-02	1.92E-10	2.15E-02	3.05E-02	1.84E-10	1.69E-09	1.04E-11	7.13E-11
229Th	Ci	7.29E-03	1.80E-03	3.72E-08	4.98E-04	7.04E-04	3.57E-08	3.28E-07	2.02E-09	1.37E-08
231Pa	Ci	4.02E-03	1.85E-03	7.56E-05	4.08E-04	5.41E-04	1.96E-05	2.86E-04	7.62E-07	2.65E-05
232Th	Ci	1.92E-02	4.86E-03	3.54E-11	1.32E-03	1.85E-03	9.63E-12	1.28E-10	3.40E-13	8.74E-12
232U	Ci	1.73E-01	1.86E-01	1.34E-05	4.12E-03	1.20E-01	4.53E-05	4.48E-05	4.49E-06	4.43E-06
233U	Ci	6.64E-01	7.11E-01	6.16E-07	1.58E-02	4.58E-01	2.08E-06	2.22E-06	2.22E-07	2.65E-07
234U	Ci	5.75E-01	2.41E-01	5.63E-01	2.68E-02	6.10E+00	1.88E+00	2.38E+00	2.38E-01	3.74E-01
235U	Ci	2.50E-02	9.97E-03	2.49E-02	1.17E-03	2.69E-01	8.32E-02	1.06E-01	1.06E-02	1.68E-02
236U	Ci	7.91E-03	6.32E-03	5.73E-03	3.28E-04	6.45E-02	1.93E-02	2.04E-02	2.05E-03	2.39E-03
237Np	Ci	6.36E-01	3.59E-01	5.39E-03	7.03E-02	9.23E-02	1.51E-03	1.92E-02	5.11E-05	1.17E-03
238Pu	Ci	1.25E+00	5.24E-01	9.80E-01	8.15E-03	1.91E+00	3.88E-01	1.90E-01	2.13E-02	2.32E-01
238U	Ci	5.69E-01	2.24E-01	5.72E-01	2.68E-02	6.19E+00	1.92E+00	2.41E+00	2.42E-01	3.78E-01
239Pu	Ci	8.17E+01	3.65E+03	1.29E+02	5.81E-01	1.73E+02	4.83E+01	2.90E+01	3.25E+00	7.26E+01
240Pu	Ci	9.44E+00	9.10E+02	1.21E+01	6.54E-02	1.86E+01	4.71E+00	2.48E+00	2.79E-01	4.28E+00
241Am	Ci	3.97E+01	3.81E+03	2.64E-01	2.16E+00	3.44E+01	9.71E+00	8.62E-01	2.29E-03	2.57E+00
241Pu	Ci	7.40E+01	3.48E+01	4.19E+01	4.73E-01	9.97E+01	1.70E+01	7.49E+00	8.39E-01	2.74E+00
242Cm	Ci	9.98E-02	5.67E-02	1.14E-03	5.00E-03	9.94E-02	1.19E-01	8.09E-03	5.00E-05	5.52E-03
242Pu	Ci	3.81E-04	1.91E-04	1.91E-04	2.49E-06	4.96E-04	7.78E-05	3.37E-05	3.78E-06	8.36E-06
243Am	Ci	1.35E-03	7.61E-04	1.86E-06	7.20E-05	1.15E-03	6.93E-05	6.01E-06	1.60E-08	7.18E-06
243Cm	Ci	9.09E-03	5.24E-03	2.34E-05	4.59E-04	7.72E-03	2.45E-03	1.66E-04	1.02E-06	8.20E-05
244Cm	Ci	8.98E-02	5.05E-02	4.27E-05	4.74E-03	7.70E-02	1.65E-03	1.42E-04	3.79E-07	1.10E-04

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 19 of 20)

Analyte	Units	U-102	U-103	U-104	U-105	U-106	U-107	U-108	U-109	U-110
3H	Ci	3.35E+02	2.56E+02	3.80E+01	4.50E+02	2.79E+02	1.05E+03	5.13E+02	5.60E+02	2.94E-01
14C	Ci	4.95E+01	4.97E+01	4.88E+00	5.29E+01	4.20E+01	8.01E+01	7.63E+01	8.26E+01	2.77E-01
59Ni	Ci	3.24E+00	4.01E+00	5.65E-01	1.82E+00	2.57E+00	1.11E+00	4.71E+00	5.14E+00	2.39E-02
60Co	Ci	5.49E+01	3.74E+02	4.30E+00	2.58E+02	2.57E+02	4.69E+01	8.57E+01	9.22E+01	1.17E-02
63Ni	Ci	3.18E+02	3.90E+02	5.50E+01	1.78E+02	2.52E+02	1.09E+02	4.62E+02	5.04E+02	2.10E+00
79Se	Ci	4.92E+00	5.06E+00	6.05E-01	4.07E+00	4.07E+00	5.69E+00	7.31E+00	8.06E+00	1.76E-02
90Sr	Ci	1.70E+05	6.16E+04	7.73E+04	3.34E+04	1.06E+05	4.69E+03	3.14E+04	2.29E+04	3.44E+05
90Y	Ci	1.70E+05	6.16E+04	7.73E+04	3.34E+04	1.06E+05	4.69E+03	3.14E+04	2.29E+04	3.44E+05
93Zr	Ci	2.42E+01	2.48E+01	2.99E+00	2.00E+01	1.99E+01	2.79E+01	3.59E+01	3.95E+01	8.41E-02
93mNb	Ci	1.75E+01	1.82E+01	2.17E+00	1.46E+01	1.45E+01	2.04E+01	2.60E+01	2.87E+01	7.24E-02
99Tc	Ci	3.50E+02	2.87E+02	3.27E+01	5.18E+02	2.98E+02	1.21E+03	5.42E+02	5.86E+02	7.40E+00
106Ru	Ci	9.98E-03	9.10E-03	7.02E-04	7.63E-03	8.63E-03	1.07E-02	1.51E-02	1.67E-02	2.75E-10
113mCd	Ci	1.27E+02	1.26E+02	1.48E+01	1.03E+02	1.05E+02	1.45E+02	1.90E+02	2.09E+02	1.71E-01
125Sb	Ci	2.37E+02	2.34E+02	1.59E+01	1.99E+02	2.05E+02	2.81E+02	3.68E+02	3.99E+02	6.30E-03
126Sn	Ci	7.43E+00	7.67E+00	9.10E-01	6.14E+00	6.15E+00	8.60E+00	1.11E+01	1.22E+01	2.62E-02
129I	Ci	6.75E-01	5.54E-01	6.29E-02	1.00E+00	5.74E-01	2.33E+00	1.05E+00	1.13E+00	1.08E-03
134Cs	Ci	4.09E+00	3.15E+00	8.24E-01	5.45E+00	3.00E+00	1.21E+01	5.17E+00	6.04E+00	6.59E-05
137Cs	Ci	3.72E+05	4.23E+05	5.16E+04	5.96E+05	2.16E+05	3.98E+05	4.76E+05	3.36E+05	2.65E+04
137mBa	Ci	3.52E+05	4.00E+05	4.88E+04	5.64E+05	2.04E+05	3.77E+05	4.51E+05	3.18E+05	2.51E+04
151Sm	Ci	1.73E+04	1.79E+04	2.13E+03	1.44E+04	1.43E+04	2.01E+04	2.57E+04	2.84E+04	6.67E+01
152Eu	Ci	5.91E+00	6.01E+00	6.07E-01	4.99E+00	4.86E+00	6.93E+00	8.68E+00	9.61E+00	1.09E-02
154Eu	Ci	8.96E+02	1.98E+03	7.81E+01	1.77E+03	2.02E+03	1.80E+02	2.98E+02	1.50E+03	1.57E-01
155Eu	Ci	3.52E+02	1.82E+03	3.82E+01	1.91E+03	2.88E+02	4.11E+02	1.26E+03	5.69E+02	1.65E+00
226Ra	Ci	2.33E-04	2.64E-04	5.01E-05	1.84E-04	1.82E-04	2.54E-04	3.04E-04	3.46E-04	1.72E-05
227Ac	Ci	1.40E-03	1.57E-03	2.63E-04	1.14E-03	1.10E-03	1.56E-03	1.92E-03	2.14E-03	5.52E-05
228Ra	Ci	2.26E-01	8.33E-02	2.61E-03	1.18E-01	1.66E-01	1.81E-01	2.69E-01	2.80E-01	1.48E-10
229Th	Ci	5.30E-03	2.13E-03	1.52E-04	2.89E-03	3.91E-03	4.39E-03	6.34E-03	6.62E-03	2.86E-08
231Pa	Ci	6.21E-03	6.31E-03	1.01E-03	5.07E-03	4.97E-03	7.00E-03	8.90E-03	9.79E-03	7.89E-05
232Th	Ci	1.50E-02	8.46E-03	6.97E-04	1.26E-02	1.18E-02	2.00E-02	1.83E-02	1.88E-02	2.60E-11
232U	Ci	4.08E-02	3.78E-02	3.52E-03	4.19E-01	1.93E-02	7.05E-02	3.84E-02	3.75E-02	4.42E-05
233U	Ci	1.57E-01	1.45E-01	1.35E-02	1.61E+00	7.40E-02	2.70E-01	1.47E-01	1.44E-01	2.65E-06
234U	Ci	8.31E-01	4.62E-01	7.16E-01	5.17E+00	3.36E-01	3.69E-01	2.38E-01	3.93E-01	3.73E+00
235U	Ci	3.72E-02	2.06E-02	3.21E-02	2.31E-01	1.50E-02	1.55E-02	9.46E-03	1.74E-02	1.68E-01
236U	Ci	6.39E-03	3.93E-03	4.88E-03	4.39E-02	2.67E-03	8.86E-03	1.16E-02	4.17E-03	2.38E-02
237Np	Ci	1.27E+00	1.06E+00	1.23E-01	1.89E+00	1.07E+00	4.41E+00	1.96E+00	2.12E+00	3.48E-03
238Pu	Ci	6.67E+00	4.04E+00	2.01E-01	1.48E+01	1.95E+01	3.88E+00	3.84E+00	1.24E+00	7.75E-01
238U	Ci	8.37E-01	4.64E-01	7.23E-01	5.19E+00	3.38E-01	3.54E-01	1.89E-01	3.92E-01	3.77E+00
239Pu	Ci	2.29E+02	1.39E+02	7.99E+00	5.07E+02	6.50E+02	2.24E+02	1.10E+02	5.67E+01	2.43E+02
240Pu	Ci	3.87E+01	2.35E+01	1.19E+00	8.59E+01	1.11E+02	3.24E+01	1.82E+01	8.73E+00	1.43E+01
241Am	Ci	2.73E+02	1.66E+02	9.60E+00	8.27E+02	7.86E+02	3.45E+01	2.18E+01	2.97E+01	8.95E+01
241Pu	Ci	4.51E+02	2.73E+02	1.20E+01	1.00E+03	1.33E+03	2.24E+02	1.72E+02	7.79E+01	9.16E+00
242Cm	Ci	7.29E-01	4.42E-01	1.80E-02	2.21E+00	2.13E+00	8.93E-02	5.85E-02	8.07E-02	1.34E-01
242Pu	Ci	2.48E-03	1.50E-03	5.95E-05	5.52E-03	7.35E-03	1.02E-03	5.59E-04	3.95E-04	2.80E-05
243Am	Ci	9.71E-03	5.88E-03	2.93E-04	2.95E-02	2.92E-02	1.20E-03	7.81E-04	1.09E-03	2.50E-04
243Cm	Ci	6.75E-02	4.10E-02	1.37E-03	2.05E-01	1.99E-01	8.24E-03	5.43E-03	7.51E-03	1.99E-03
244Cm	Ci	6.58E-01	3.99E-01	1.69E-02	2.00E+00	1.97E+00	8.12E-02	5.40E-02	7.42E-02	3.83E-03

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Table B1-3. Best-Basis Radionuclide Inventory. (Sheet 20 of 20)

Analyte	Units	U-111	U-112	U-201	U-202	U-203	U-204	Total
3H	Ci	2.27E+02	8.39E-01	1.55E-02	1.53E-02	3.24E-01	7.66E-03	2.30E+04
14C	Ci	3.23E+01	7.29E-02	1.66E-03	1.65E-03	2.55E-02	8.26E-04	3.53E+03
59Ni	Ci	2.82E+00	3.97E-01	4.70E-04	4.68E-04	3.45E-03	2.34E-04	9.62E+02
60Co	Ci	3.56E+01	2.62E-02	7.18E-04	7.14E-04	1.01E-02	3.57E-04	2.36E+04
63Ni	Ci	2.73E+02	3.71E+01	4.41E-02	4.39E-02	3.22E-01	2.20E-02	9.49E+04
79Se	Ci	3.24E+00	1.55E-02	3.62E-04	3.59E-04	5.44E-03	1.80E-04	7.69E+02
90Sr	Ci	2.66E+05	6.45E+04	4.70E+03	4.70E+03	2.35E+03	5.95E-02	5.77E+07
90Y	Ci	2.66E+05	6.45E+04	4.70E+03	4.70E+03	2.35E+03	5.95E-02	5.77E+07
93Zr	Ci	1.59E+01	7.32E-02	1.71E-03	1.70E-03	2.57E-02	8.50E-04	3.80E+03
93mNb	Ci	1.16E+01	6.03E-02	1.39E-03	1.38E-03	2.10E-02	6.91E-04	2.79E+03
99Tc	Ci	2.30E+02	5.10E-01	1.19E-02	1.19E-02	1.79E-01	5.93E-03	3.00E+04
106Ru	Ci	6.33E-03	7.24E-08	4.19E-09	4.18E-09	3.01E-08	2.09E-09	1.27E+05
113mCd	Ci	8.31E+01	2.15E-01	5.34E-03	5.31E-03	7.90E-02	2.65E-03	1.80E+04
125Sb	Ci	1.53E+02	3.73E-02	1.20E-03	1.19E-03	1.50E-02	5.97E-04	2.55E+05
126Sn	Ci	4.90E+00	2.37E-02	5.51E-04	5.47E-04	8.35E-03	2.73E-04	1.30E+03
129I	Ci	4.44E-01	9.76E-04	2.29E-05	2.27E-05	3.44E-04	1.14E-05	6.29E+01
134Cs	Ci	2.46E+00	7.70E-04	2.52E-05	2.50E-05	2.61E-04	1.25E-05	8.73E+04
137Cs	Ci	2.49E+05	1.82E+04	1.12E+03	1.12E+03	5.59E+02	2.58E+01	5.51E+07
137mBa	Ci	2.35E+05	1.72E+04	1.06E+03	1.06E+03	5.29E+02	2.44E+01	5.21E+07
151Sm	Ci	1.14E+04	5.57E+01	1.29E+00	1.28E+00	1.94E+01	6.41E-01	2.86E+06
152Eu	Ci	4.05E+00	1.90E-01	2.65E-03	2.65E-03	3.16E-03	1.33E-03	1.72E+03
154Eu	Ci	5.80E+02	6.18E-01	1.75E-02	1.74E-02	2.44E-01	8.69E-03	2.07E+05
155Eu	Ci	2.35E+02	9.10E+00	1.26E-01	1.26E-01	1.50E-01	6.31E-02	2.29E+05
226Ra	Ci	1.91E-04	2.96E-05	4.30E-08	4.28E-08	4.01E-07	2.14E-08	6.43E-02
227Ac	Ci	1.10E-03	1.31E-04	2.21E-07	2.20E-07	2.30E-06	1.10E-07	8.75E+01
228Ra	Ci	1.28E-01	2.66E-10	4.42E-12	4.42E-12	4.67E-12	2.21E-12	7.67E+01
229Th	Ci	3.01E-03	5.05E-08	6.25E-10	6.25E-10	7.78E-10	3.12E-10	1.80E+00
231Pa	Ci	4.02E-03	2.97E-05	5.24E-07	5.21E-07	8.19E-06	2.60E-07	1.56E+02
232Th	Ci	8.52E-03	1.98E-11	6.14E-13	6.11E-13	6.84E-12	3.06E-13	4.33E+00
232U	Ci	4.98E-01	1.44E-05	4.18E-07	4.18E-07	2.09E-07	2.09E-07	1.14E+02
233U	Ci	1.91E+00	7.35E-07	1.55E-08	1.55E-08	7.74E-09	7.75E-09	4.38E+02
234U	Ci	1.17E+00	8.70E-01	9.56E-03	9.56E-03	4.79E-03	4.79E-03	3.16E+02
235U	Ci	5.00E-02	3.88E-02	4.06E-04	4.06E-04	2.04E-04	2.04E-04	1.31E+01
236U	Ci	2.18E-02	7.58E-03	2.11E-04	2.11E-04	1.05E-04	1.06E-04	1.12E+01
237Np	Ci	8.45E-01	3.29E-03	8.35E-05	8.30E-05	1.17E-03	4.15E-05	1.45E+02
238Pu	Ci	1.64E+00	1.56E-01	7.48E-04	6.26E-05	7.64E-05	1.28E-02	2.15E+03
238U	Ci	1.12E+00	8.76E-01	9.31E-03	9.31E-03	4.67E-03	4.67E-03	2.81E+02
239Pu	Ci	6.90E+01	1.06E+01	4.80E-02	4.01E-03	4.90E-03	8.20E-01	5.86E+04
240Pu	Ci	1.10E+01	1.46E+00	6.76E-03	5.66E-04	6.91E-04	1.16E-01	1.11E+04
241Am	Ci	5.49E+01	4.71E-02	1.23E-05	1.02E-06	3.64E-05	2.08E-04	1.00E+05
241Pu	Ci	1.08E+02	8.73E+00	4.13E-02	3.45E-03	4.22E-03	7.07E-01	1.57E+05
242Cm	Ci	1.48E-01	9.03E-04	1.09E-07	9.11E-09	2.79E-08	1.86E-06	1.61E+02
242Pu	Ci	5.75E-04	3.78E-05	1.75E-07	1.47E-08	1.79E-08	3.00E-06	7.58E-01
243Am	Ci	1.89E-03	4.36E-07	1.12E-10	9.29E-12	3.40E-10	1.90E-09	1.70E+01
243Cm	Ci	1.31E-02	2.07E-05	2.49E-09	2.08E-10	6.37E-10	4.25E-08	2.49E+01
244Cm	Ci	1.28E-01	1.55E-05	3.90E-09	3.24E-10	1.21E-08	6.62E-08	5.71E+02

B1.2 DOUBLE-SHELL TANK TRANSFERS

The BBI has been updated to incorporate all waste transfers prior to October 1, 1999, with one exception. The sluicing of the approximate final 167 m³ (44,000 gal) of sludge from tank 241-C-106 to 241-AY-102 was not incorporated since the analytical data to support a final inventory update was not approved/released. A record of the tank transfers, from 1989 to current, into and between the DSTs is available from a historical transaction database (CHG 2000). These data contain the amount of volume transferred as well as recording the volume reduction through the 242-A Evaporator.

Transfers occurring between October 1, 1999, and January 11, 2000, include the following:

- Continued saltwell pumping of tanks 241-S-102, 241-S-103, 241-S-106, 241-SX-106, 241-U-103 and 241-U-105 (these saltwell transfers were received in DST 241-SY-102)
- Transfer of 241-AP-107 supernate to tank 241-AW-102 (feed staging for operation of the 242-A Evaporator)
- Transfer of 241-SY-101 salt slurry to tank 241-SY-102 in December 1999 to remediate level increases that had been occurring in 241-SY-101 waste as the result of gas retention.

These waste transfers are addressed within the HTWOS model through saltwell pumping schedules, automatic evaporator operation routines and planned waste transfers.

B1.3 BEST-BASIS WASH AND LEACH DATA

Prior work had accumulated limited chemical analysis data for water washes and caustic leaches from SSTs (Colton 1995, 1996, 1997). These data were mass weighted to create wash and leach factors for the composite SST waste inventory. The waste grouping used in the Colton studies were based on the Sort on Radioactive Waste Type (SORWT) model (Hill et al. 1995). The SORWT groupings were in turn based on waste transactions indicating the waste routed to a particular tank. Previous HTWOS predictions applied single composite water wash and caustic leach factors to all waste tanks, regardless of origin or composition of these wastes (e.g., one factor for aluminum applied to all wastes). Sources of data for calculating the wash and leach factors include historical analytical results, Tank Characterization Database (TCD) analytical results, experimental data, chemical simulations, and tank waste groupings.

Current wash and leach factors were compiled from: chemical analyses and treatment tests reported by Colton, Pacific Northwest National Laboratories (PNNL), and Los Alamos National Laboratories (LANL); the TCD; process aids and supporting documents; and ESP models. These factors are compiled in the *Best-Basis Wash and Leach Factor Analysis* document (Hendrickson et al. 1999). Every effort was made to provide tank-specific wash and leach factors when data were

available. However, this was not always the case and other methods for determining these values were used.

First, some analyte wash factors were derived for “hybrid” analytes. One example of a “hybrid” wash factor is that for ^{239}Pu and ^{240}Pu . The analysis method for determining plutonium includes the alpha emissions for both ^{239}Pu and ^{240}Pu , resulting in a single result for $^{239/240}\text{Pu}$. Single wash and leach factors were developed for these “hybrid” analytes and applied to both species in the hybrid. For a complete list of hybrids, see Hendrickson et al. 1999.

When no wash or leach factor was available for an analyte, the wash or leach factor for a similar analyte in the same tank with similar behavior, known as an analog, was used. For example, a typical sample analysis for cesium would include sample data for ^{137}Cs but not total cesium nor isotopes other than 137. Therefore the wash and leach factors derived for ^{137}Cs would be applied to its analogs, total cesium and other cesium isotopes.

Tank groupings were also used to determine wash and leach factors when there was no wash or leach data for the entire tank. A tank grouping describes the cluster of tank wastes that are expected to have comparable overall compositions based on statistical principal component analysis (PCA) of the Best-Basis Inventories (dry basis). The tank groupings were developed by PNNL (Ferryman 1998). Singleton tanks were consolidated based on process knowledge of the tank wastes. When wash and leach factors were unavailable for a tank within a tank grouping, factors from another tank within the same group were applied to generate an estimate for that tank. If no tank-group estimate was available, an overall (including all 177 tanks) wash and/or leach factor was applied.

B1.4 ESP DATA RESULTS

A computer chemical process simulator called the Environmental Simulation Program (ESP) is being used extensively at the Hanford Site. Two of the principal uses are for calculating the equilibrium speciation of wastes and for simulating the retrieval and processing of wastes. ESP calculates the thermodynamic equilibrium of aqueous and other phases by minimizing the chemical potential of a system in an iterative process. The equilibrium constants for aqueous and solid species are calculated using the Helgeson-Kirkham-Flowers Equation of State, or temperature and pressure dependent correlations of experimental data. Activity coefficients of aqueous species are calculated using the Bromely-Zemaitis or Pitzer excess property models. Because of the physical limitations of the program, not all of the BBI analytes can be loaded into ESP. However, all the BBI chemicals, ^{90}Sr , ^{99}Tc , ^{137}Cs , ^{239}Pu , and ^{240}Pu can be loaded.

ESP data results are used in two ways in determining the insoluble and soluble portions of the waste tanks. For the DSTs, two of the tanks (241-AN-104 and 241-AN-105) had early versions of tank specific flowsheets constructed using ESP to calculate the soluble and insoluble fractions of the BBI chemicals, and ^{137}Cs . In addition, using the BBI as of October 1, 1997, all tanks have an initial estimate of the soluble and insoluble portions of the BBI chemicals and ^{137}Cs ; however, a consistent set

of assumptions was made for every tank. As the conditions in each tank are different, these estimates may not represent current tank content soluble and insoluble fractions. Since no other data are available, these estimates are used to split the BBI chemicals and ^{137}Cs in the SSTs slated for saltwell pumping into insoluble and soluble fractions.

B1.5 RECENT SAMPLING DATA

Sampling data are available through the Tank Waste Information Network System 3 (CHG 2000) for all tanks that have a Tank Characterization Report based on sampling results. Much of these data are reviewed when assembling a BBI for a tank.

Although the BBI gives the total amount of hydroxide predicted to be in the tank by charge balance, a separation of free and bound hydroxide is needed. Early analytical results for hydroxide represented more than the amount of free hydroxide in the tank. With the assumption that recent sampling results (after 1995) are indicative of the amount of free hydroxide in the tank, all post-1995 hydroxide analytical results for any tank were gathered.

B1.6 HDW INVENTORIES

At the Los Alamos National Laboratory (LANL) the HDW computer model was developed to provide a tank-by-tank distribution of components in Hanford underground waste tanks (Agnew et al. 1997). The HDW model utilizes historical transfer records, chemical purchase and usage records, flowsheet records, and other information to estimate the contents of each waste tank. For each tank, these data are separated into a sludge portion and a saltcake/supernate portion. Data from two non-BBI HDW analytes were used for components which otherwise would have contained no data.

Two analytes that were obtained exclusively from HDW were ammonia and cyanide. The sludge or Tank Layer Model (TLM) inventories were assumed to be the insoluble fraction and the saltcake/supernate or Supernate Mixing Model (SMM) inventories were assumed to be in the soluble fraction. [Table B1-4](#) shows the data used from HDW, Rev. 4.

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Table B1-4. Ammonia and CN- based on HDW, Rev. 4. (Sheet 1 of 4)

Tank	TLM (assumed insoluble)			SMM (assumed soluble)			Total Inventory (kg)		
	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃
A-101	0.00E+00	0.00E+00	3.27E+01	0.00E+00	0.00E+00	3.07E+03	0.00E+00	0.00E+00	3.10E+03
A-102	0.00E+00	0.00E+00	2.58E+01	0.00E+00	0.00E+00	1.29E+02	0.00E+00	0.00E+00	1.55E+02
A-103	0.00E+00	0.00E+00	3.89E+01	0.00E+00	0.00E+00	1.21E+03	0.00E+00	0.00E+00	1.25E+03
A-104	0.00E+00	0.00E+00	3.61E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E+02
A-105	0.00E+00	0.00E+00	3.30E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E+02
A-106	0.00E+00	0.00E+00	5.22E+02	0.00E+00	0.00E+00	3.71E+02	0.00E+00	0.00E+00	8.93E+02
AX-101	0.00E+00	0.00E+00	2.00E+02	0.00E+00	0.00E+00	2.51E+03	0.00E+00	0.00E+00	2.71E+03
AX-102	0.00E+00	0.00E+00	1.83E+01	0.00E+00	0.00E+00	1.45E+02	0.00E+00	0.00E+00	1.63E+02
AX-103	0.00E+00	0.00E+00	2.43E+02	0.00E+00	0.00E+00	3.00E+02	0.00E+00	0.00E+00	5.43E+02
AX-104	0.00E+00	0.00E+00	1.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+02
B-101	0.00E+00	0.00E+00	4.19E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E+02
B-102	0.00E+00	0.00E+00	7.95E+01	0.00E+00	0.00E+00	3.11E+00	0.00E+00	0.00E+00	8.26E+01
B-103	0.00E+00	0.00E+00	1.86E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E+02
B-104	0.00E+00	0.00E+00	6.67E+02	0.00E+00	0.00E+00	2.86E+01	0.00E+00	0.00E+00	6.96E+02
B-105	0.00E+00	0.00E+00	4.77E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E+02
B-106	0.00E+00	0.00E+00	3.84E+02	0.00E+00	0.00E+00	1.70E+00	0.00E+00	0.00E+00	3.86E+02
B-107	0.00E+00	0.00E+00	8.38E+02	0.00E+00	0.00E+00	8.41E-02	0.00E+00	0.00E+00	8.38E+02
B-108	0.00E+00	0.00E+00	3.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E+02
B-109	0.00E+00	0.00E+00	2.78E+02	0.00E+00	0.00E+00	3.94E+01	0.00E+00	0.00E+00	3.18E+02
B-110	0.00E+00	0.00E+00	5.21E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E+01
B-111	0.00E+00	0.00E+00	4.52E+02	0.00E+00	0.00E+00	1.13E+00	0.00E+00	0.00E+00	4.53E+02
B-112	0.00E+00	0.00E+00	1.39E+01	0.00E+00	0.00E+00	2.56E+00	0.00E+00	0.00E+00	1.64E+01
B-201	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
B-202	0.00E+00	0.00E+00	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-04
B-203	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04
B-204	0.00E+00	0.00E+00	3.87E-04	0.00E+00	0.00E+00	6.01E-08	0.00E+00	0.00E+00	3.87E-04
BX-101	0.00E+00	0.00E+00	7.72E+01	0.00E+00	0.00E+00	8.40E-01	0.00E+00	0.00E+00	7.80E+01
BX-102	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02
BX-103	0.00E+00	0.00E+00	2.04E-02	0.00E+00	0.00E+00	4.44E+00	0.00E+00	0.00E+00	4.46E+00
BX-104	0.00E+00	0.00E+00	3.00E-03	0.00E+00	0.00E+00	2.50E+02	0.00E+00	0.00E+00	2.50E+02
BX-105	0.00E+00	0.00E+00	3.37E-03	0.00E+00	0.00E+00	1.87E+01	0.00E+00	0.00E+00	1.87E+01
BX-106	0.00E+00	0.00E+00	2.43E+01	0.00E+00	0.00E+00	1.10E+01	0.00E+00	0.00E+00	3.52E+01
BX-107	0.00E+00	0.00E+00	1.59E+03	0.00E+00	0.00E+00	1.70E+00	0.00E+00	0.00E+00	1.59E+03
BX-108	0.00E+00	0.00E+00	1.16E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E+02
BX-109	0.00E+00	0.00E+00	1.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+02
BX-110	0.00E+00	0.00E+00	7.09E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E+02
BX-111	0.00E+00	0.00E+00	2.78E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E+02
BX-112	0.00E+00	0.00E+00	6.13E+02	0.00E+00	0.00E+00	1.35E+00	0.00E+00	0.00E+00	6.14E+02
BY-101	0.00E+00	0.00E+00	3.03E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E+02
BY-102	0.00E+00	0.00E+00	2.70E+02	0.00E+00	0.00E+00	1.14E+01	0.00E+00	0.00E+00	2.82E+02
BY-103	0.00E+00	0.00E+00	3.39E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E+02
BY-104	1.20E+04	8.84E+03	2.99E+03	0.00E+00	0.00E+00	0.00E+00	1.20E+04	8.84E+03	2.99E+03
BY-105	1.14E+04	8.37E+03	2.98E+03	0.00E+00	0.00E+00	0.00E+00	1.14E+04	8.37E+03	2.98E+03
BY-106	1.10E+04	8.10E+03	2.26E+03	0.00E+00	0.00E+00	0.00E+00	1.10E+04	8.10E+03	2.26E+03
BY-107	8.35E+03	6.15E+03	1.55E+03	0.00E+00	0.00E+00	0.00E+00	8.35E+03	6.15E+03	1.55E+03
BY-108	2.10E+04	1.54E+04	3.02E+03	0.00E+00	0.00E+00	0.00E+00	2.10E+04	1.54E+04	3.02E+03
BY-109	0.00E+00	0.00E+00	3.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E+02
BY-110	1.87E+04	1.38E+04	3.09E+03	0.00E+00	0.00E+00	0.00E+00	1.87E+04	1.38E+04	3.09E+03
BY-111	0.00E+00	0.00E+00	3.75E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E+02
BY-112	4.80E+02	3.54E+02	3.59E+02	0.00E+00	0.00E+00	0.00E+00	4.80E+02	3.54E+02	3.59E+02
C-101	0.00E+00	0.00E+00	1.30E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+00

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Table B1-4. Ammonia and CN- based on HDW, Rev. 4. (Sheet 2 of 4)

Tank	TLM (assumed insoluble)			SMM (assumed soluble)			Total Inventory (kg)		
	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃
C-102	0.00E+00	0.00E+00	5.54E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E+02
C-103	0.00E+00	0.00E+00	3.25E+02	0.00E+00	0.00E+00	5.95E+01	0.00E+00	0.00E+00	3.84E+02
C-104	0.00E+00	0.00E+00	1.29E+03	0.00E+00	0.00E+00	1.25E+01	0.00E+00	0.00E+00	1.30E+03
C-105	0.00E+00	0.00E+00	2.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E+00
C-106	0.00E+00	0.00E+00	1.56E+03	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	1.56E+03
C-107	0.00E+00	0.00E+00	1.29E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03
C-108	4.39E+03	3.23E+03	3.29E+02	0.00E+00	0.00E+00	0.00E+00	4.39E+03	3.23E+03	3.29E+02
C-109	1.65E+04	1.21E+04	8.41E+02	0.00E+00	0.00E+00	0.00E+00	1.65E+04	1.21E+04	8.41E+02
C-110	0.00E+00	0.00E+00	9.55E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.55E+02
C-111	1.83E+03	1.35E+03	2.59E+02	0.00E+00	0.00E+00	0.00E+00	1.83E+03	1.35E+03	2.59E+02
C-112	2.63E+04	1.94E+04	1.18E+03	0.00E+00	0.00E+00	0.00E+00	2.63E+04	1.94E+04	1.18E+03
C-201	0.00E+00	0.00E+00	1.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01
C-202	0.00E+00	0.00E+00	1.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01
C-203	0.00E+00	0.00E+00	1.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01
C-204	0.00E+00	0.00E+00	1.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01
S-101	0.00E+00	0.00E+00	1.72E+03	0.00E+00	0.00E+00	1.03E+03	0.00E+00	0.00E+00	2.75E+03
S-102	0.00E+00	0.00E+00	6.57E+01	0.00E+00	0.00E+00	1.35E+03	0.00E+00	0.00E+00	1.41E+03
S-103	0.00E+00	0.00E+00	1.48E+02	0.00E+00	0.00E+00	1.48E+03	0.00E+00	0.00E+00	1.63E+03
S-104	0.00E+00	0.00E+00	2.15E+03	0.00E+00	0.00E+00	1.85E+00	0.00E+00	0.00E+00	2.15E+03
S-105	0.00E+00	0.00E+00	3.29E+01	0.00E+00	0.00E+00	1.79E+03	0.00E+00	0.00E+00	1.83E+03
S-106	0.00E+00	0.00E+00	4.22E-01	0.00E+00	0.00E+00	2.14E+03	0.00E+00	0.00E+00	2.14E+03
S-107	0.00E+00	0.00E+00	2.31E+03	0.00E+00	0.00E+00	4.33E+02	0.00E+00	0.00E+00	2.74E+03
S-108	0.00E+00	0.00E+00	8.21E+01	0.00E+00	0.00E+00	2.48E+03	0.00E+00	0.00E+00	2.56E+03
S-109	0.00E+00	0.00E+00	1.71E-01	0.00E+00	0.00E+00	2.42E+03	0.00E+00	0.00E+00	2.42E+03
S-110	0.00E+00	0.00E+00	1.46E+03	0.00E+00	0.00E+00	1.29E+03	0.00E+00	0.00E+00	2.75E+03
S-111	0.00E+00	0.00E+00	1.09E+03	0.00E+00	0.00E+00	2.55E+03	0.00E+00	0.00E+00	3.64E+03
S-112	0.00E+00	0.00E+00	4.94E+01	0.00E+00	0.00E+00	2.62E+03	0.00E+00	0.00E+00	2.67E+03
SX-101	0.00E+00	0.00E+00	2.89E+03	0.00E+00	0.00E+00	3.84E+02	0.00E+00	0.00E+00	3.28E+03
SX-102	0.00E+00	0.00E+00	9.70E+02	0.00E+00	0.00E+00	3.31E+03	0.00E+00	0.00E+00	4.28E+03
SX-103	0.00E+00	0.00E+00	4.01E+02	0.00E+00	0.00E+00	3.56E+03	0.00E+00	0.00E+00	3.96E+03
SX-104	0.00E+00	0.00E+00	1.79E+03	0.00E+00	0.00E+00	2.75E+03	0.00E+00	0.00E+00	4.54E+03
SX-105	0.00E+00	0.00E+00	5.89E+02	0.00E+00	0.00E+00	3.91E+03	0.00E+00	0.00E+00	4.50E+03
SX-106	0.00E+00	0.00E+00	2.32E+00	0.00E+00	0.00E+00	3.00E+03	0.00E+00	0.00E+00	3.01E+03
SX-107	0.00E+00	0.00E+00	1.80E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E+03
SX-108	0.00E+00	0.00E+00	1.68E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+03
SX-109	0.00E+00	0.00E+00	1.65E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E+03
SX-110	0.00E+00	0.00E+00	1.03E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+03
SX-111	0.00E+00	0.00E+00	2.02E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+03
SX-112	0.00E+00	0.00E+00	1.53E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+03
SX-113	0.00E+00	0.00E+00	3.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.28E+01
SX-114	0.00E+00	0.00E+00	1.60E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E+03
SX-115	0.00E+00	0.00E+00	1.13E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+02
U-101	0.00E+00	0.00E+00	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03
U-102	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00	2.12E+03	0.00E+00	0.00E+00	2.12E+03
U-103	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	2.67E+03	0.00E+00	0.00E+00	2.67E+03
U-104	0.00E+00	0.00E+00	2.93E-03	0.00E+00	0.00E+00	6.19E+02	0.00E+00	0.00E+00	6.19E+02
U-105	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	2.63E+03	0.00E+00	0.00E+00	2.63E+03
U-106	0.00E+00	0.00E+00	1.91E-03	0.00E+00	0.00E+00	1.45E+03	0.00E+00	0.00E+00	1.45E+03
U-107	0.00E+00	0.00E+00	1.00E+00	0.00E+00	0.00E+00	1.96E+03	0.00E+00	0.00E+00	1.96E+03
U-108	0.00E+00	0.00E+00	1.49E-01	0.00E+00	0.00E+00	2.65E+03	0.00E+00	0.00E+00	2.65E+03
U-109	0.00E+00	0.00E+00	3.18E-01	0.00E+00	0.00E+00	2.91E+03	0.00E+00	0.00E+00	2.91E+03

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Table B1-4. Ammonia and CN- based on HDW, Rev. 4. (Sheet 3 of 4)

Tank	TLM (assumed insoluble)			SMM (assumed soluble)			Total Inventory (kg)		
	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃	Fe(CN) ₆ ⁴⁻	CN ⁻	NH ₃
U-110	0.00E+00	0.00E+00	8.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E+02
U-111	0.00E+00	0.00E+00	2.80E+02	0.00E+00	0.00E+00	1.30E+03	0.00E+00	0.00E+00	1.58E+03
U-112	0.00E+00	0.00E+00	2.79E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E+02
U-201	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.37E-02
U-202	0.00E+00	0.00E+00	5.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-02
U-203	0.00E+00	0.00E+00	2.63E-02	0.00E+00	0.00E+00	2.20E+00	0.00E+00	0.00E+00	2.22E+00
U-204	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-02
T-101	0.00E+00	0.00E+00	2.00E-01	0.00E+00	0.00E+00	2.54E+01	0.00E+00	0.00E+00	2.56E+01
T-102	0.00E+00	0.00E+00	3.52E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-02
T-103	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	5.56E+00	0.00E+00	0.00E+00	5.60E+00
T-104	0.00E+00	0.00E+00	1.93E+03	0.00E+00	0.00E+00	1.48E+01	0.00E+00	0.00E+00	1.95E+03
T-105	0.00E+00	0.00E+00	9.99E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.99E+01
T-106	0.00E+00	0.00E+00	3.85E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E+01
T-107	0.00E+00	0.00E+00	8.74E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E+02
T-108	0.00E+00	0.00E+00	1.63E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E+02
T-109	0.00E+00	0.00E+00	1.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E+02
T-110	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	4.02E-04	0.00E+00	0.00E+00	1.21E-01
T-111	0.00E+00	0.00E+00	1.23E-01	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	1.24E-01
T-112	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-02
T-201	0.00E+00	0.00E+00	2.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04
T-202	0.00E+00	0.00E+00	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04
T-203	0.00E+00	0.00E+00	2.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-04
T-204	0.00E+00	0.00E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-04
TX-101	0.00E+00	0.00E+00	1.15E+03	0.00E+00	0.00E+00	4.67E+01	0.00E+00	0.00E+00	1.20E+03
TX-102	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	1.14E+03	0.00E+00	0.00E+00	1.14E+03
TX-103	0.00E+00	0.00E+00	7.27E+00	0.00E+00	0.00E+00	3.73E+02	0.00E+00	0.00E+00	3.80E+02
TX-104	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	2.44E+02	0.00E+00	0.00E+00	2.44E+02
TX-105	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	3.37E+03	0.00E+00	0.00E+00	3.37E+03
TX-106	0.00E+00	0.00E+00	6.58E+01	0.00E+00	0.00E+00	1.81E+03	0.00E+00	0.00E+00	1.88E+03
TX-107	0.00E+00	0.00E+00	5.86E-04	0.00E+00	0.00E+00	2.79E+01	0.00E+00	0.00E+00	2.79E+01
TX-108	0.00E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	5.51E+02	0.00E+00	0.00E+00	5.52E+02
TX-109	0.00E+00	0.00E+00	1.68E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E+03
TX-110	0.00E+00	0.00E+00	1.53E+02	0.00E+00	0.00E+00	1.97E+03	0.00E+00	0.00E+00	2.12E+03
TX-111	0.00E+00	0.00E+00	1.65E+02	0.00E+00	0.00E+00	1.64E+03	0.00E+00	0.00E+00	1.81E+03
TX-112	0.00E+00	0.00E+00	5.82E+01	0.00E+00	0.00E+00	3.48E+03	0.00E+00	0.00E+00	3.53E+03
TX-113	0.00E+00	0.00E+00	7.03E+02	0.00E+00	0.00E+00	2.22E+03	0.00E+00	0.00E+00	2.92E+03
TX-114	0.00E+00	0.00E+00	1.56E+02	0.00E+00	0.00E+00	2.51E+03	0.00E+00	0.00E+00	2.66E+03
TX-115	0.00E+00	0.00E+00	2.24E-01	0.00E+00	0.00E+00	3.13E+03	0.00E+00	0.00E+00	3.13E+03
TX-116	0.00E+00	0.00E+00	7.83E+02	0.00E+00	0.00E+00	1.11E+03	0.00E+00	0.00E+00	1.89E+03
TX-117	0.00E+00	0.00E+00	4.77E+02	0.00E+00	0.00E+00	1.77E+03	0.00E+00	0.00E+00	2.24E+03
TX-118	0.00E+00	0.00E+00	1.45E+01	0.00E+00	0.00E+00	7.17E+02	0.00E+00	0.00E+00	7.32E+02
TY-101	7.68E+03	5.66E+03	2.01E+02	0.00E+00	0.00E+00	0.00E+00	7.68E+03	5.66E+03	2.01E+02
TY-102	0.00E+00	0.00E+00	7.03E+01	0.00E+00	0.00E+00	1.77E+02	0.00E+00	0.00E+00	2.47E+02
TY-103	5.01E+03	3.69E+03	5.99E+01	0.00E+00	0.00E+00	2.38E+02	5.01E+03	3.69E+03	2.98E+02
TY-104	3.20E+03	2.36E+03	3.75E+01	0.00E+00	0.00E+00	0.00E+00	3.20E+03	2.36E+03	3.75E+01
TY-105	0.00E+00	0.00E+00	4.41E+00	0.00E+00	0.00E+00	4.78E+00	0.00E+00	0.00E+00	9.20E+00
TY-106	0.00E+00	0.00E+00	2.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-02

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B1.7 INVENTORY INFORMATION FROM TWRSO&UP, REVISION 0

Data for non-BBI components that were used in the previous revision of the TWRSO&UP were included as part of the RPP Inventory. The following sections describe the sources of the data that were used in the last revision.

In the previous revision, TRAC and HDW model, Revision 1, data were normalized to the best-basis global inventory estimates as of June 1, 1997 (Kupfer et al. 1997). If the best-basis global inventory did not carry a component, then the SST compositions were adjusted to the SST compositions listed in the *TWRS Process Flowsheet* (Orme 1995). SST totals were obtained by subtracting the sum of the DST inventories (obtained from sample data as explained in the following section) from the best-basis global inventory. The TRAC/HDW Revision 1 model distributions for every SST were then normalized so that the totals agree with the global best-basis predictions.

B1.7.1 DST Inventories

Most DSTs have been sampled since 1985, but data obtained from these samples vary in quality and quantity. In addition, not all of these data are usable. In some cases, samples taken during a sampling event did not cover the entire depth of the waste. Also, the number of chemical and radiological analytes, as specified in the Data Quality Objective (DQO) document governing the sampling event, varies between tanks.

The initial sample-based inventories for the DSTs were divided into supernatants and solids. The solids include solids contained in sludge and saltcake plus interstitial liquid. No assumptions about the amount or composition of entrained solids in the supernatant were made. The assumptions associated with the sample data used for the previous revision are as follows.

- Volumes used to calculate these inventories are consistent with tank volumes present at the time of sampling.
- Generally a preferred data set (usually the most recent) was used in this analysis. The preferred data set was augmented by sample averages, HDW model estimates, and process knowledge.
- Constituent concentrations not reported in the data for any DST were assumed to be zero.
- "Less than" values were sometimes used in the analyses if no other data were available. These were evaluated before acceptance as the best available concentration estimate.

B1.8 FACILITY GENERATED WASTE COMPOSITIONS

DSTs receive wastes from routine facility operations, facility cleanout, and saltwell liquid from SST stabilization. There are 9 facilities or areas that regularly transfer waste to the DST system: B Plant, T Plant, the Plutonium Finishing Plant (PFP), 222-S Laboratories, the PUREX Plant, the WESF, and the 100N, 300, and 400 areas. Projections of waste volumes and average compositions to be transferred through FY 2028 are submitted to Operational Waste Volume Projection (OWVP) each fiscal year. The compositions provided in these submittals were used in this study and are shown in [Table B1-5](#). These waste streams are generally, highly dilute liquids with low entrained solids content. Average compositions of samples are taken from previous waste transfers and project, roughly, the composition of waste transferred in the future. The data are limited in the number of analytes and no assumptions were made on concentrations of species not reported. Average compositions for the WESF were not found. It was assumed that this composition is the same as that reported for the PUREX Plant dilute non-complexed (DN) waste stream.

These compositions were applied to each facility-generated transfer received after October 1, 1999.

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Table B1-5. Facilities Waste Compositions. (2 Sheets)

Facility	PUREX	222S	300/400	B Plant	T Plant	PFP	100 N	100 K	WESF
Chemical	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
Al ⁺³			2.70E+03	2.17E+00	3.27E+00		1.87E-01	1.87E-01	
As ⁺⁵			4.12E+00						
Ba ⁺²			1.14E+01				2.59E+00	2.59E+00	
Ca ⁺²			2.56E+01				2.44E+01	2.44E+01	
Cd ⁺²			6.63E+00				3.87E-02	3.87E-02	
Cr ⁺³			6.76E+01				7.35E-02	7.35E-02	
Cu ⁺²			2.16E-02				1.23E-02	1.23E-02	
Fe ⁺³	5.00E+01		2.74E-01				2.98E+00	2.98E+00	5.00E+01
Hg ⁺²			1.24E-01				1.94E-03	1.94E-03	
K ⁺			1.17E+01				7.59E-01	7.59E-01	
Li ⁺			7.64E+00						
Mg ⁺²			4.86E+00		3.89E+01		5.24E-01	5.24E-01	
Mn ⁺⁴			8.24E-02				1.51E-02	1.51E-02	
Na ⁺	2.00E+03	6.58E+03	5.52E+03	1.00E+04	1.38E+03	7.8E+04	2.17E+00	2.17E+00	2.00E+03
Ni ⁺³			3.81E-02				8.80E-03	8.80E-03	
Pb ⁺⁴			8.70E+01				8.01E-02	8.01E-02	
Sb ⁺⁵							6.92E-02	6.92E-02	
Se ⁺⁶							4.20E-02	4.20E-02	
U ⁺⁶	2.00E+01	1.30E+01	4.00E+01	1.40E-02		1.00E-02			2.00E+01
Zn ⁺²							3.07E-02	3.07E-02	
CO ₃ ⁻²			7.26E+02	8.52E+02	5.00E+02		9.68E-02	9.68E-02	
Cl ⁻	4.00E+01	1.29E+03	3.40E+03	5.50E+01	9.57E+01		1.61E+00	1.61E+00	4.00E+01
F ⁻			7.98E+01	3.06E+00	2.91E-01		2.04E-01	2.04E-01	

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Table B1-5. Facilities Waste Compositions. (2 Sheets)

Facility	PUREX	222S	300/400	B Plant	T Plant	PFP	100 N	100 K	WESF
Chemical	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL	ug/mL
SO ₄ ⁻²	2.30E+02		8.55E+03	5.99E+01	3.07E+01		1.11E+01	1.11E+01	2.30E+02
NO ₃ ⁻	1.98E+04	9.58E+03	3.29E+04	1.47E+03		1.02E+05	1.00E+00	1.00E+00	1.98E+04
NO ₂ ⁻	6.44E+02	1.14E+03	2.90E+03	6.90E+02	4.60E+02	1.30E+04			6.44E+02
PO ₄ ⁻³	2.30E+02		7.31E+03	5.88E+02	6.08E+02		1.91E-02	1.91E-02	2.30E+02
OH ⁻	6.80E+02	1.20E+03	4.25E+02	3.98E+03	6.46E+01	2.54E+04			6.80E+02
H ₂ O ⁻		9.90E+05							
TOC	2.30E+02		3.64E+03	1.85E+02	1.00E+02				2.30E+02
Radio-nuclides	uCi/mL	uCi/mL	uCi/mL	uCi/mL	uCi/mL	uCi/mL	uCi/mL	uCi/mL	uCi/mL
³ H		1.71E-03							
¹⁴ C		1.03E-03	2.00E-01	2.03E+00					
⁹⁰ Sr	3.00E+00	6.35E-02	1.10E+00	2.03E+00			7.45E-03	7.45E-03	3.00E+00
⁹⁰ Y	3.00E+00		1.10E+00	2.03E+00			7.45E-03	7.45E-03	3.00E+00
⁹⁹ Tc		1.48E-04							
¹²⁹ I		6.63E-05							
¹³⁷ Cs	6.00E-02	1.02E-01	2.80E+01	9.70E+01	3.65E-02		1.19E-03	1.19E-03	6.00E-02
¹³⁷ Ba	5.68E-02		2.66E+01	9.22E+01	3.47E-02		1.13E-03	1.13E-03	5.68E-02
¹⁵⁴ Eu							5.54E-06	5.54E-06	
^{239/240} Pu	4.96E-04	3.16E-04	5.80E-02			5.32E-01	1.49E-07	1.49E-07	4.96E-04
²⁴¹ Am	3.00E-03	9.63E-04	6.30E-01			1.05E-01	4.17E-08	4.17E-08	3.00E-03

PFP = Plutonium Finishing Plant

PUREX = Plutonium-uranium extraction

WESF = Waste Encapsulation and Storage Facility.

B2.0 DATA USE METHODOLOGY

Since the BBI gives total waste inventories for each tank on an effective date that may be prior to October 1, 1999, additional data were needed to convert the BBI to a usable form. To convert the BBI to inventories usable to HTWOS the following adjustments were made to the data.

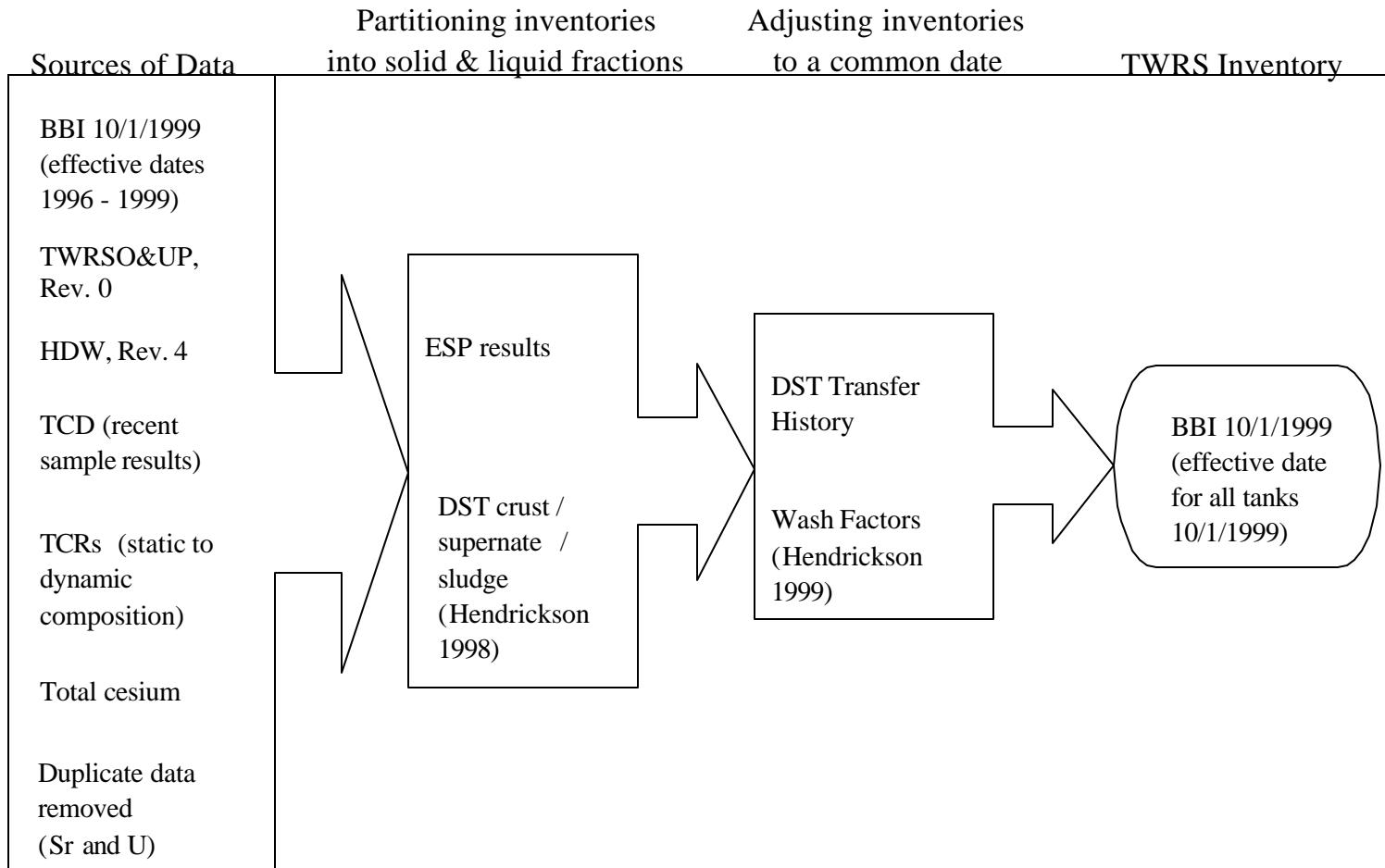
- The contract specifies components not found in the BBI; therefore, the BBI data were supplemented by using data from the previous inventory found in TWRSO&UP, Appendix C of Revision 1, and supplemental data compiled for the Phase 1 tanks in the *Status Report: Supplemental Best-Basis Inventory* document (Yorgesen and Seidl 1999).
- Placeholders were kept for non-BBI components where no data sources were available.
- Static volume inventories were adjusted to the actual volume inventory as of the effective date.
- Duplicate data were removed from the BBI.
- Total hydroxide was separated into bound and free hydroxide.
- Some data were partitioned into water-soluble and water-insoluble phases.

Figure B2-1 is a flow diagram depicting the steps necessary to convert the BBI as of October 1, 1999 into the RPP Inventory, an inventory usable by the HTWOS model.

B2.1 SUPPLEMENTING THE BEST-BASIS INVENTORIES

The BBIs were supplemented with additional existing data where necessary. For most non-BBI analytes, data were available from the inventory used in Revision 1 of the RPP O&UP. The HDW Revision 4 contained data for NH₃ and CN⁻. The total amount of cesium was estimated to be a fraction of the ¹³⁷Cs specified in the BBI. For all tanks except 241-AZ-101 and 241-AZ-102 a factor of approximately 4 times the amount of ¹³⁷Cs was used. For 241-AZ-101 and 241-AZ-102 a factor of approximately 3 times the amount of ¹³⁷Cs was used. Cs⁺ was calculated as the difference between the total amount of cesium present and the amount of radioactive cesium. Placeholders were kept for non-BBI components where no data sources were available.

Figure B2-1. Creating the TWRS



Duplicate data were removed from the BBI. Strontium and total uranium reflected information already contained in other portions of the BBI (isotopic data for radionuclides). The strontium inventory was revised to contain only the non-radioactive portions of the chemical analyte. The total uranium inventory was revised to include only uranium for which the isotope distribution had not been estimated, or in some cases minor differences (< 3%) between the total uranium and the sum of the uranium isotopes.

Since hydroxide is one of the anions used to charge balance the major cations for each BBI, no effort is made in the BBI to separate free and bound hydroxide. These data, however, are of vital importance to the HTWOS model. The amount of free and bound hydroxide in both the solid and liquid phase is necessary for the caustic leaching reactions to be applied correctly. Post-1995 hydroxide results from sampling data were used as the free hydroxide amounts in the tank. Where hydroxide sample results were not available, a generic factor was used to estimate the free hydroxide in the solid and liquid layers. For the liquids, $\text{FreeOH} = 0.9 \times \text{OHTotal}$. For the solids, $\text{FreeOH} = 0.1 \times \text{OHTotal}$. The amount of bound hydroxide is the difference of the total hydroxide from the BBI and the free hydroxide.

B2.2 PARTITIONING THE BEST-BASIS INVENTORIES

To be useful to HTWOS, the BBI inventories must be divided into water-soluble and water-insoluble fractions; however, very little data exist to split the BBI into the respective fractions. Reported information, when available, is for the supernate, sludge/saltcake, and or crust inventories. Sludge/saltcake or crust values do not entirely differentiate solids from interstitial liquid. These inventories must be split into water-soluble and water-insoluble fractions in order for the dissolution and metathesis reactions used for caustic leaching in the HTWOS model to work correctly.

Simplifications were made in attaining water-soluble and water-insoluble fractions. For the DSTs, the BBIM tool was scanned for inventories for each phase in the tank. Additional information for splitting the DSTs into supernate and non-supernate waste was found in the Best Basis Wash and Leach Factor document (Hendrickson et al. 1999). For SSTs, where saltwell pumping is planned or currently in progress, data from ESP and BBIM were used to separate the water-soluble and insoluble fractions and to estimate the amount of water present in the liquid. For the rest of the SSTs, the BBI composition is assumed to be unwashed non-supernate waste if BBIM data for the liquid phase data were not available.

B2.3 ADJUSTING INVENTORIES TO OCTOBER 1, 1999

BBI_s are only accurate as of their effective date. Since these dates are different, ranging from 1996 to 1999 for every tank, the contents of the tanks are not accurate unless adjusted to a common date. The January 11, 2000 BBI accounted for all waste transfers completed before October 1, 1999, with the exception of the tank 241-C-106 sludge transfer to tank 241-AY-102 which was updated to July 31, 1999. Transfers occurring after these dates are modeled by HTWOS.

B3.0 BEST-BASIS INVENTORY AS OF 10/1/1999

Contained in Tables B3-1 through B3-4 are the compositions of the tanks generated after the process described in Section 2.0 was completed. The DSTs have been divided into supernate and non-supernate phases based on the data contained in the BBIM, Hendrickson 1999, TCRs, or ESP data (Papp 1998), if appropriate. The SSTs were divided into water-insoluble and water-soluble phases based on the BBIM and initial estimate from ESP data for the tanks intended to be saltwell pumped. If no liquid phase data were available in the BBIM or the Hendrickson et al. 1999 document, the SSTs were assumed to be all non-supernate waste.

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Revision 2

Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 1 of 6)

Species	Units	AN-101	AN-102	AN-103	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103
106-Ru	Ci	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	3.42E-02	1.69E-02	6.44E-03
113m-Cd	Ci	1.97E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E+00	0.00E+00	6.54E+01	2.05E+02	6.53E+01
125-Sb	Ci	3.94E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E+01	0.00E+00	1.10E+02	4.19E+02	1.85E+02
126-Sn	Ci	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-01	0.00E+00	5.41E+01	1.18E+01	3.64E+00
129-I	Ci	1.11E-01	3.17E+00	1.38E+00	1.49E+00	2.89E+00	2.68E-02	2.25E+00	2.40E-01	1.10E+00	8.98E-01
134-Cs	Ci	1.45E+00	6.19E+01	1.89E+02	1.23E+02	2.08E+02	5.30E+00	5.71E+01	1.10E+01	1.44E+01	7.15E+00
137-Cs	Ci	5.38E+04	1.36E+06	1.43E+06	1.73E+06	1.01E+06	7.81E+03	1.23E+06	7.48E+05	9.35E+05	3.04E+05
137m-Ba	Ci	5.09E+04	1.29E+06	1.35E+06	1.63E+06	9.52E+05	7.39E+03	1.17E+06	7.08E+05	8.85E+05	2.88E+05
14-C	Ci	7.86E+00	2.61E+00	1.05E+02	1.20E+00	1.98E+02	1.90E+00	1.48E+02	7.66E-01	2.05E+00	3.93E+01
151-Sm	Ci	2.80E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+03	0.00E+00	8.99E+03	2.74E+04	8.46E+03
152-Eu	Ci	7.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-01	0.00E+00	3.34E+00	9.74E+00	3.54E+00
154-Eu	Ci	1.36E+02	1.47E+03	1.08E+02	2.31E+02	6.03E+01	4.70E+01	4.26E+03	3.16E+02	1.47E+03	4.79E+02
155-Eu	Ci	4.61E+01	1.14E+03	8.34E+02	8.93E+02	0.00E+00	2.07E+01	3.91E+03	1.75E+02	5.82E+02	2.02E+02
226-Ra	Ci	3.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-05	0.00E+00	3.28E-04	3.14E-04	9.74E-05
227-Ac	Ci	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-05	0.00E+00	6.41E-04	1.96E-03	5.71E-04
228-Ra	Ci	4.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	1.91E-01	5.81E-01	2.09E-01
229-Th	Ci	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	0.00E+00	4.51E-03	1.35E-02	4.87E-03
231-Pa	Ci	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-04	0.00E+00	2.87E-03	9.17E-03	2.65E-03
232-Th	Ci	4.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-03	0.00E+00	2.59E-02	5.73E-02	2.56E-02
232-U	Ci	1.61E-03	3.69E-02	9.28E-04	3.07E-03	3.92E-03	4.49E-02	2.67E-01	1.57E-02	8.59E-03	2.51E-04
233-U	Ci	6.16E-03	1.42E-01	3.55E-03	1.18E-02	1.50E-02	1.72E-01	1.02E+00	6.03E-02	3.29E-02	9.63E-04
234-U	Ci	2.37E-03	2.92E-02	1.26E-03	3.48E-03	3.41E-03	1.55E-01	1.31E-01	4.97E-02	6.99E-03	1.21E-03
235-U	Ci	9.65E-05	1.16E-03	4.88E-05	1.36E-04	1.34E-04	5.97E-03	5.07E-03	1.91E-03	2.80E-04	4.62E-05
236-U	Ci	8.25E-05	1.04E-03	7.34E-05	1.86E-04	1.55E-04	1.12E-02	4.62E-03	3.57E-03	2.25E-04	9.00E-05
237-Np	Ci	2.18E-01	0.00E+00	2.55E+00	2.74E+00	0.00E+00	5.05E-02	0.00E+00	7.84E-01	2.03E+00	1.65E+00
238-Pu	Ci	7.21E-04	6.02E-01	3.46E-01	1.55E-02	2.85E-03	6.23E-02	3.87E+00	4.61E-02	8.00E-03	7.07E-02
238-U	Ci	2.14E-03	2.58E-02	9.85E-04	2.79E-03	2.85E-03	1.13E-01	1.13E-01	3.62E-02	6.27E-03	8.70E-04
239-Pu	Ci	2.28E-02	1.86E+01	6.47E+00	3.33E-01	7.27E-02	8.31E+00	1.21E+02	6.20E-01	2.65E-01	1.97E+00
240-Pu	Ci	3.90E-03	3.28E+00	1.34E+00	6.55E-02	1.37E-02	3.57E-01	2.14E+01	1.48E-01	4.57E-02	3.34E-01
241-Am	Ci	6.35E-03	5.18E+02	8.54E+00	7.89E-01	8.93E-02	2.18E+00	2.44E+03	8.43E-01	1.79E+00	1.26E-01
241-Pu	Ci	5.29E-02	4.31E+01	2.92E+01	1.29E+00	2.22E-01	4.30E+00	2.78E+02	4.30E+00	5.51E-01	4.82E+00
242-Cm	Ci	1.34E-05	1.44E+00	1.72E-02	1.85E-03	2.05E-04	5.68E-03	6.37E+00	1.39E-03	4.65E-03	6.43E-06
242-Pu	Ci	2.65E-07	2.30E-04	1.37E-04	5.94E-06	1.10E-06	2.23E-05	1.48E-03	1.79E-05	3.03E-06	3.03E-05
243-Am	Ci	2.33E-07	2.04E-02	5.79E-04	4.37E-05	3.91E-06	6.40E-04	9.97E-02	7.78E-05	6.77E-05	6.32E-06
243-Cm	Ci	1.25E-06	1.37E-01	1.75E-03	1.82E-04	2.03E-05	5.34E-04	6.07E-01	7.00E-02	1.72E-01	9.76E-07
244-Cm	Ci	1.24E-05	1.19E+00	2.39E-02	1.84E-03	1.91E-04	4.73E-03	4.66E+00	1.53E+00	2.64E-01	2.08E-06
3-H	Ci	5.73E+01	3.51E+00	2.98E+00	4.09E+00	1.10E-01	1.63E+01	9.29E+02	5.94E+01	5.24E+01	3.59E+02
59-Ni	Ci	4.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-01	0.00E+00	1.42E+00	4.55E+00	5.21E-01
60-Co	Ci	2.45E+00	6.69E+02	1.22E+02	1.34E+02	2.61E+01	2.85E+00	9.99E+02	1.42E+01	3.19E+02	7.38E+01
63-Ni	Ci	4.75E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+01	0.00E+00	1.42E+02	4.47E+02	5.19E+01
79-Se	Ci	7.93E-01	2.24E+00	1.23E+01	1.13E+01	2.19E+01	2.88E-01	1.45E+01	1.67E+00	8.76E-01	2.37E+00
90-Sr	Ci	2.70E+01	2.89E+05	3.59E+01	2.34E+02	1.06E+02	3.86E+00	3.51E+05	5.83E+02	5.90E+03	4.39E+02
90-Y	Ci	2.70E+01	2.89E+05	3.59E+01	2.34E+02	1.06E+02	3.86E+00	3.51E+05	5.83E+02	5.90E+03	4.39E+02
93-Zr	Ci	3.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+00	0.00E+00	1.25E+01	3.83E+01	1.19E+01
93m-Nb	Ci	2.85E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+00	0.00E+00	9.08E+00	2.76E+01	8.53E+00
99-Tc	Ci	5.76E+01	5.19E+02	2.55E+02	4.53E+02	6.58E+02	1.39E+01	2.12E+02	2.21E+02	3.53E+02	4.63E+02
Ag+	kg	0.00E+00									
Al+3	kg	4.18E+03	5.67E+04	5.69E+04	8.78E+04	9.86E+04	3.23E+02	8.84E+02	4.17E+04	4.77E+04	8.02E+03
As+5	kg	0.00E+00	2.28E+00	0.00E+00	0.00E+00						
B+3	kg	0.00E+00	5.34E+01	0.00E+00	0.00E+00						
Ba+2	kg	0.00E+00	1.12E+02	7.20E+01	6.85E+01	7.22E+01	0.00E+00	0.00E+00	1.60E+00	0.00E+00	0.00E+00
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	9.65E+01	0.00E+00	1.19E+02	0.00E+00	1.81E+02	0.00E+00	0.00E+00	6.01E+01
Ca+2	kg	3.86E+00	1.63E+03	9.65E+01	1.37E+02	1.19E+02	9.32E-01	1.79E+03	1.67E+02	3.32E+02	6.01E+01

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Revision 2

Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 2 of 6)

Species	Units	AN-101	AN-102	AN-103	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103
Cd+2	kg	0.00E+00	2.46E+02	9.84E+00	6.83E+00	5.90E+00	0.00E+00	0.00E+00	4.45E+00	0.00E+00	0.00E+00
Ce+3	kg	0.00E+00									
Cl-	kg	1.08E+03	1.43E+04	1.84E+04	1.84E+04	2.38E+04	9.63E+01	6.09E+03	5.68E+03	1.13E+04	2.70E+03
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	6.57E+03	2.48E+05	9.31E+03	2.43E+04	2.84E+04	2.19E+03	2.28E+05	6.03E+04	1.11E+05	9.31E+04
Cr(TOTAL)	kg	9.15E+01	1.12E+03	1.07E+03	7.64E+02	5.33E+02	9.94E+00	5.19E+02	4.67E+02	2.57E+03	3.66E+02
Cs+	kg	1.79E+00	4.52E+01	4.75E+01	5.75E+01	3.36E+01	2.60E-01	4.09E+01	2.49E+01	3.11E+01	1.01E+01
Cu+2	kg	0.00E+00									
F-	kg	2.12E+02	6.98E+03	1.24E+03	1.86E+02	7.34E+02	5.13E+02	1.26E+04	9.90E+03	6.97E+02	1.47E+03
Fe+3	kg	1.67E+00	1.91E+02	4.83E+01	6.85E+01	5.93E+01	1.78E-01	5.04E+03	1.67E+01	1.59E+01	3.01E+01
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E+00	0.00E+00	0.00E+00	0.00E+00
K+	kg	1.50E+03	1.46E+04	3.17E+04	1.52E+04	1.56E+04	1.20E+03	5.46E+03	7.73E+04	5.35E+03	1.25E+04
La+3	kg	0.00E+00	0.00E+00	2.47E+00	7.01E+00	0.00E+00	2.29E-01	1.06E+02	0.00E+00	7.42E+00	1.86E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	1.72E+00	1.47E+02	9.65E+00	1.37E+01	1.19E+01	8.41E+01	1.77E+03	0.00E+00	2.29E+02	6.01E+00
Mo+6	kg	0.00E+00									
Na+	kg	5.01E+04	9.01E+05	5.35E+05	5.82E+05	5.90E+05	7.58E+03	6.12E+05	6.31E+05	4.23E+05	1.78E+05
Nd+3	kg	0.00E+00									
NH3	kg	2.55E+03	5.86E+03	2.83E+04	1.40E+04	8.27E+03	7.16E+01	3.16E+03	0.00E+00	2.67E+03	9.73E+02
Ni+2	kg	1.72E+00	1.43E+03	1.93E+01	2.73E+01	2.39E+01	5.59E+01	1.66E+03	2.72E+01	1.10E+02	1.25E+02
NO2-	kg	1.80E+04	3.10E+05	3.11E+05	2.84E+05	2.90E+05	1.77E+03	1.99E+05	1.74E+05	1.49E+05	9.82E+04
NO3-	kg	3.69E+04	8.45E+05	3.17E+05	3.87E+05	3.89E+05	6.60E+03	7.18E+05	5.68E+05	3.15E+05	1.21E+05
OH(bound)	kg	9.26E+03	2.00E+05	2.96E+04	1.99E+05	2.36E+05	1.95E+02	6.91E+05	2.57E+05	1.21E+05	1.32E+04
OH-	kg	1.42E+04	9.71E+03	2.66E+05	1.61E+05	1.41E+05	1.75E+03	4.98E+04	4.24E+04	3.80E+04	9.78E+03
Pb+2	kg	8.36E+00	6.82E+02	2.30E+02	1.37E+02	1.30E+02	1.50E+01	1.20E+03	1.35E+01	1.36E+01	6.01E+01
Pd+2	kg	0.00E+00									
PO4-3	kg	7.51E+02	1.81E+04	3.10E+03	6.16E+03	2.93E+03	2.03E+02	8.87E+03	4.28E+03	4.81E+04	2.16E+03
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00	3.52E-01	0.00E+00	0.00E+00						
Si+4	kg	1.81E+01	7.59E+01	5.69E+02	5.55E+02	5.21E+02	1.99E+02	9.08E+01	3.62E+02	1.99E+00	1.04E+02
SO4-2	kg	9.65E+02	5.18E+04	2.73E+03	8.05E+03	6.84E+03	5.52E+02	2.71E+04	1.48E+04	1.88E+04	4.22E+03
Sr+2	kg	1.72E+00	7.07E+00	9.65E+00	5.73E-03	1.19E+01	0.00E+00	1.81E+01	1.43E-02	1.44E-01	6.01E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	6.18E+02	9.84E+04	4.90E+03	7.08E+03	1.46E+04	4.40E+02	1.24E+05	1.36E+04	1.36E+04	4.62E+03
U(TOTAL)	kg	0.00E+00	3.75E-01	1.32E-02	0.00E+00						
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00	1.47E+02	0.00E+00							
Zr+4	kg	2.02E-01	3.53E+01	1.01E+01	1.78E+01	1.22E+01	3.05E+01	2.13E+02	7.50E+01	1.16E+02	6.15E+00

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Revision 2

Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 3 of 6)

Species	Units	AP-104	AP-105	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105
106-Ru	Ci	2.48E-05	3.49E-02	2.26E-03	3.09E-03	4.26E-03	6.42E-02	7.36E-05	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	1.02E-01	0.00E+00	8.94E+00	4.25E+01	3.37E+01	3.83E+02	7.57E-01	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	5.82E+00	7.59E+02	3.55E+01	7.83E+01	8.17E+01	1.25E+03	1.72E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	9.13E-03	0.00E+00	6.33E-01	2.62E+00	2.15E+00	2.38E+01	4.19E-02	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	5.90E-04	1.43E+00	1.31E-02	2.97E-01	1.51E-01	1.88E+00	2.81E-03	4.62E-03	8.57E-04	0.00E+00
134-Cs	Ci	3.81E-01	1.40E+02	3.61E+01	2.71E+02	4.16E+01	2.69E+02	8.05E+00	8.39E+01	7.49E-01	0.00E+00
137-Cs	Ci	3.80E+02	4.41E+05	2.58E+04	2.95E+05	1.35E+05	1.55E+06	4.96E+03	1.21E+04	0.00E+00	1.55E+03
137m-Ba	Ci	3.59E+02	4.18E+05	2.44E+04	2.79E+05	1.28E+05	1.46E+06	4.69E+03	1.14E+04	0.00E+00	1.47E+03
14-C	Ci	1.57E-02	1.24E+00	7.69E-01	1.71E+01	1.01E+01	1.31E+02	1.54E-02	5.32E-01	6.07E-02	0.00E+00
151-Sm	Ci	2.10E+01	0.00E+00	1.46E+03	6.10E+03	5.00E+03	0.00E+00	9.75E+01	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	1.98E-02	0.00E+00	5.04E-01	2.14E+00	1.66E+00	1.89E+01	3.99E-02	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	1.13E-01	1.29E+02	2.61E+01	1.36E+02	1.34E+02	1.60E+02	5.39E-01	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	8.55E-01	8.60E+02	2.68E+01	3.88E+02	1.34E+02	1.21E+03	2.34E+00	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	3.00E-07	4.67E-04	2.04E-05	1.08E-04	7.46E-05	6.74E-04	1.12E-06	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	1.75E-06	0.00E+00	1.28E-04	6.17E-04	4.46E-04	4.25E-03	6.56E-06	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	3.04E-05	0.00E+00	2.77E-02	5.73E-02	6.06E-02	1.38E+00	2.45E-03	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	7.07E-07	0.00E+00	6.43E-04	1.35E-03	1.42E-03	3.21E-02	5.69E-05	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	5.34E-06	0.00E+00	4.69E-04	2.17E-03	1.70E-03	1.81E-02	3.07E-05	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	2.98E-06	0.00E+00	2.18E-03	4.03E-03	4.48E-03	1.34E-01	2.99E-04	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	6.62E-04	8.12E-03	8.13E-04	8.76E-03	5.78E-03	1.51E-01	4.93E-04	0.00E+00	1.71E-04	1.41E-03
233-U	Ci	2.54E-03	3.11E-02	3.12E-03	3.36E-02	2.22E-02	5.77E-01	1.89E-03	0.00E+00	4.39E-04	5.38E-03
234-U	Ci	1.48E-03	2.85E-02	2.96E-03	1.87E-02	1.32E-02	3.37E-01	6.41E-04	0.00E+00	2.56E-01	1.82E-02
235-U	Ci	5.73E-05	1.09E-03	9.36E-05	7.83E-04	5.20E-04	1.29E-02	2.64E-05	0.00E+00	9.73E-03	6.94E-04
236-U	Ci	9.77E-05	2.08E-03	1.84E-04	4.51E-04	4.48E-04	2.32E-02	2.24E-05	0.00E+00	2.11E-02	1.46E-03
237-Np	Ci	2.73E-02	2.63E+00	6.97E-02	4.51E-01	3.26E-01	3.49E+00	2.97E-03	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	1.79E-04	1.21E-02	9.95E-02	2.00E-02	1.11E-01	2.10E-01	6.43E-03	3.95E-04	0.00E+00	0.00E+00
238-U	Ci	1.12E-03	2.06E-02	1.76E-03	1.77E-02	1.13E-02	2.49E-01	8.42E-04	0.00E+00	1.76E-01	1.27E-02
239-Pu	Ci	2.88E-03	1.57E-01	7.41E-02	2.05E-01	2.31E-01	2.06E+00	1.75E-02	3.20E-03	0.00E+00	0.00E+00
240-Pu	Ci	6.38E-04	3.79E-02	1.44E-02	3.99E-02	4.39E-02	5.67E-01	2.97E-03	9.75E-04	0.00E+00	0.00E+00
241-Am	Ci	1.41E-02	1.81E-01	3.71E-02	2.22E-01	2.35E-01	8.65E-01	3.24E-03	5.86E-02	0.00E+00	0.00E+00
241-Pu	Ci	1.59E-02	1.14E+00	3.58E-01	4.03E-02	4.19E-01	2.10E+01	4.29E-02	4.03E-02	0.00E+00	0.00E+00
242-Cm	Ci	4.25E-05	2.91E-04	8.84E-04	2.12E-04	1.12E-03	1.56E-03	7.18E-09	2.02E-04	0.00E+00	0.00E+00
242-Pu	Ci	7.02E-08	4.68E-06	1.81E-06	1.99E-07	2.12E-06	8.03E-05	2.69E-07	1.51E-07	0.00E+00	0.00E+00
243-Am	Ci	1.09E-06	1.73E-05	1.11E-05	2.83E-06	1.42E-05	6.95E-05	1.62E-07	1.24E-05	0.00E+00	0.00E+00
243-Cm	Ci	5.66E-04	7.26E-03	7.52E-03	1.88E-05	7.88E-03	1.59E-04	1.47E-10	3.38E-05	0.00E+00	0.00E+00
244-Cm	Ci	1.36E-02	1.74E-01	1.81E-01	1.86E-04	1.90E-01	2.23E-03	4.28E-09	2.25E-04	0.00E+00	0.00E+00
3-H	Ci	1.38E+00	1.02E+01	9.67E+00	1.18E+02	7.74E+01	1.70E+01	1.11E+00	4.13E+01	7.41E-01	0.00E+00
59-Ni	Ci	1.40E-03	0.00E+00	2.16E-01	1.59E+00	1.00E+00	7.59E+00	6.01E-03	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	4.15E-02	3.79E+01	1.90E+00	1.67E+01	7.67E+00	6.70E+01	2.76E-01	0.00E+00	0.00E+00	5.09E-01
63-Ni	Ci	1.39E-01	0.00E+00	2.14E+01	1.53E+02	9.79E+01	7.47E+02	5.98E-01	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	3.31E-05	1.11E+01	1.39E-01	2.12E+00	1.16E+00	2.17E+00	2.91E-03	6.65E-02	6.87E-03	2.28E+00
90-Sr	Ci	8.09E+00	7.62E+02	1.25E+02	1.35E+03	1.34E+03	1.39E+02	3.32E+00	1.29E-01	0.00E+00	3.18E+01
90-Y	Ci	8.09E+00	7.62E+02	1.25E+02	1.35E+03	1.34E+03	1.39E+02	3.32E+00	1.29E-01	0.00E+00	3.18E+01
93-Zr	Ci	2.66E-02	0.00E+00	1.94E+00	8.57E+00	6.86E+00	7.55E+01	1.37E-01	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	2.09E-02	0.00E+00	9.88E-01	6.39E+00	4.61E+00	5.54E+01	9.85E-02	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	7.12E-02	2.66E+02	7.54E+00	1.30E+02	7.56E+01	5.22E+02	1.12E+00	2.31E+00	0.00E+00	0.00E+00
Ag+	kg	0.00E+00	1.13E+01	0.00E+00	0.00E+00						
Al+3	kg	4.07E+00	6.66E+04	1.31E+03	2.63E+04	1.19E+04	9.92E+04	1.82E+02	3.64E+01	3.97E+04	2.94E+01
As+5	kg	0.00E+00	1.13E+01	0.00E+00	0.00E+00						
B+3	kg	0.00E+00	5.70E+00	0.00E+00	0.00E+00						
Ba+2	kg	0.00E+00	5.70E+00	0.00E+00	0.00E+00						
Be+2	kg	0.00E+00	5.70E-01	0.00E+00	0.00E+00						
Bi+3	kg	0.00E+00	0.00E+00	2.06E-01	6.58E+01	1.77E+01	0.00E+00	1.34E+00	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	1.12E+01	1.05E+02	3.27E+00	5.36E+01	2.42E+01	2.89E+02	1.34E+00	0.00E+00	1.06E+02	8.07E+00

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Revision 2

Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 4 of 6)

Species	Units	AP-104	AP-105	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-01	0.00E+00	0.00E+00	
Ce+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+01	0.00E+00	0.00E+00	
Cl-	kg	1.14E+01	1.78E+04	2.42E+02	8.09E+03	3.69E+03	1.58E+04	4.91E+01	7.78E+01	8.20E+03	1.66E+02
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00	4.07E+00	0.00E+00	0.00E+00						
CO3-2	kg	2.88E+02	4.44E+04	5.25E+03	3.34E+04	1.40E+04	2.75E+04	1.26E+03	2.65E+03	1.16E+05	1.10E+03
Cr(TOTAL)	kg	1.68E+00	8.70E+02	2.13E+01	2.22E+03	1.05E+03	3.43E+02	5.06E+00	1.43E+01	1.06E+02	1.44E+00
Cs+	kg	1.26E-02	1.47E+01	8.57E-01	9.80E+00	4.49E+00	5.15E+01	1.65E-01	4.02E-01	0.00E+00	5.15E-02
Cu+2	kg	0.00E+00	1.13E+00	0.00E+00	0.00E+00						
F-	kg	1.11E+01	8.25E+03	8.98E+02	2.27E+03	1.38E+03	2.97E+03	1.94E+02	9.48E+03	2.38E+03	3.26E+02
Fe+3	kg	4.91E-02	5.28E+01	1.41E+00	4.47E+01	2.14E+01	1.45E+02	6.71E-01	0.00E+00	5.28E+01	3.13E+00
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E+06	0.00E+00	3.15E+06	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	8.40E-01	3.52E+04	3.02E+03	5.14E+03	4.43E+03	1.09E+05	4.29E+02	8.07E+03	2.36E+04	1.35E+03
La+3	kg	0.00E+00	0.00E+00	0.00E+00	1.67E+01	3.87E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	1.68E+00
Li+	kg	0.00E+00	1.13E+00	0.00E+00	0.00E+00						
Mg+2	kg	0.00E+00									
Mn+4	kg	9.83E-03	1.05E+01	2.32E-01	5.36E+00	2.33E+00	2.89E+01	1.34E-01	0.00E+00	1.23E+01	3.60E-01
Mo+6	kg	0.00E+00	5.70E+00	0.00E+00	0.00E+00						
Na+	kg	4.46E+02	4.79E+05	1.77E+04	2.38E+05	1.01E+05	7.69E+05	3.77E+03	1.39E+04	3.33E+05	1.01E+04
Nd+3	kg	0.00E+00	1.13E+01	0.00E+00	0.00E+00						
NH3	kg	0.00E+00	4.35E+04	1.56E+04	3.59E+03	4.68E+02	6.09E+04	2.98E+04	1.11E+04	1.47E+01	2.66E+04
Ni+2	kg	3.20E-02	2.10E+01	1.01E+00	8.50E+00	3.98E+00	5.78E+01	2.69E-01	0.00E+00	0.00E+00	6.72E-01
NO2-	kg	1.07E+02	3.30E+05	4.75E+03	9.09E+04	4.29E+04	3.05E+05	9.22E+02	1.00E+03	1.49E+05	8.68E+02
NO3-	kg	2.57E+02	7.34E+05	1.57E+04	2.79E+05	9.39E+04	4.85E+05	2.32E+03	2.38E+03	2.46E+05	1.83E+04
OH(bound)	kg	3.13E+01	1.28E+04	2.60E+03	5.77E+04	2.58E+04	2.29E+05	2.82E+02	2.26E+02	1.29E+04	9.32E+01
OH-	kg	4.55E+01	1.08E+05	3.66E+03	2.89E+04	1.56E+04	2.96E+05	9.90E+02	2.03E+03	1.16E+05	8.39E+02
Pb+2	kg	0.00E+00	1.38E+02	3.13E+00	5.21E+01	2.37E+01	3.06E+02	1.34E+00	1.13E+01	0.00E+00	3.36E+00
Pd+2	kg	0.00E+00	1.50E+01	0.00E+00	0.00E+00						
PO4-3	kg	6.46E+01	6.22E+03	4.19E+02	6.43E+03	5.52E+03	1.80E+03	1.20E+02	3.34E+01	1.63E+03	1.25E+02
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00	2.82E-01	0.00E+00	0.00E+00						
Ru+3	kg	0.00E+00	1.13E-01	0.00E+00	0.00E+00						
Sb+5	kg	0.00E+00	6.82E+00	0.00E+00	0.00E+00						
Se+6	kg	0.00E+00	1.13E+00	0.00E+00	0.00E+00						
Si+4	kg	1.98E+00	1.88E+02	2.27E+01	1.16E+02	7.52E+01	6.05E+02	6.16E+00	1.40E+02	3.36E+02	3.64E+01
SO4-2	kg	5.50E+01	1.43E+04	8.03E+02	1.20E+04	7.12E+03	3.95E+03	1.64E+02	3.79E+02	2.55E+03	2.04E+02
Sr+2	kg	1.98E-04	1.86E-02	2.32E-01	4.95E+00	1.97E+00	3.40E-03	1.34E-01	1.13E+00	0.00E+00	3.36E-01
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00	3.95E-01	0.00E+00	0.00E+00						
Th+4	kg	0.00E+00	3.95E-01	0.00E+00	0.00E+00						
Ti+4	kg	0.00E+00	1.13E+00	0.00E+00	0.00E+00						
Tl+3	kg	0.00E+00	2.27E+01	0.00E+00	0.00E+00						
TOC	kg	1.16E+01	5.21E+03	3.42E+02	2.14E+03	1.31E+03	1.06E+04	7.70E+01	5.38E+02	1.29E+04	1.45E+03
U(TOTAL)	kg	1.96E-04	1.84E-01	0.00E+00	0.00E+00	0.00E+00	9.44E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00	5.70E+00	0.00E+00	0.00E+00						
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00	2.29E+00	0.00E+00	0.00E+00						
Zr+4	kg	0.00E+00	1.05E+01	4.94E-01	5.28E+00	2.60E+00	5.99E+01	1.34E-01	1.13E+00	1.43E+01	9.22E-01

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Revision 2

Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 5 of 6)

Species	Units	AW-106	AY-101	AY-102	AZ-101	AZ-102	SY-101	SY-102	SY-103
106-Ru	Ci	3.60E-03	3.54E-04	8.81E+01	0.00E+00	0.00E+00	0.00E+00	4.11E-03	0.00E+00
113m-Cd	Ci	3.71E+01	4.29E+00	1.11E+01	0.00E+00	0.00E+00	0.00E+00	5.65E+01	0.00E+00
125-Sb	Ci	8.43E+01	9.74E+00	3.62E-01	0.00E+00	0.00E+00	0.00E+00	1.02E+02	0.00E+00
126-Sn	Ci	2.06E+00	2.22E-01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+00	0.00E+00
129-I	Ci	1.98E-01	8.84E-04	4.48E-04	2.76E+00	1.52E+00	0.00E+00	3.60E-01	2.58E-01
134-Cs	Ci	4.06E+02	2.37E+01	1.92E+02	4.34E+04	4.12E+04	9.12E-03	1.68E+00	9.00E+00
137-Cs	Ci	3.08E+05	1.78E+04	4.94E+04	5.53E+06	3.65E+06	1.19E+03	2.65E+05	5.85E+05
137m-Ba	Ci	2.91E+05	1.69E+04	4.68E+04	7.03E+06	4.09E+06	1.13E+03	2.51E+05	5.53E+05
14-C	Ci	6.86E-01	5.22E-02	3.37E-02	0.00E+00	8.30E-01	0.00E+00	2.24E+01	1.05E+02
151-Sm	Ci	4.78E+03	5.18E+02	2.55E+03	0.00E+00	0.00E+00	0.00E+00	8.00E+03	0.00E+00
152-Eu	Ci	1.95E+00	2.76E-01	1.09E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+00	0.00E+00
154-Eu	Ci	8.31E+00	6.59E+00	2.55E+00	0.00E+00	0.00E+00	0.00E+00	2.69E+02	0.00E+00
155-Eu	Ci	2.03E+02	4.16E+01	1.25E+02	0.00E+00	0.00E+00	0.00E+00	2.45E+02	0.00E+00
226-Ra	Ci	5.48E-05	4.97E-06	3.82E-05	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00
227-Ac	Ci	3.21E-04	2.98E-05	2.21E-04	0.00E+00	0.00E+00	0.00E+00	7.07E-04	0.00E+00
228-Ra	Ci	1.20E-01	4.33E-03	3.09E-04	0.00E+00	0.00E+00	0.00E+00	7.30E-02	0.00E+00
229-Th	Ci	2.79E-03	1.01E-04	7.23E-06	0.00E+00	0.00E+00	0.00E+00	1.72E-03	0.00E+00
231-Pa	Ci	1.50E-03	1.56E-04	6.28E-04	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00
232-Th	Ci	1.46E-02	4.38E-04	3.09E-05	0.00E+00	0.00E+00	0.00E+00	5.06E-03	0.00E+00
232-U	Ci	4.26E-03	1.14E-02	2.04E-03	0.00E+00	0.00E+00	2.43E-02	9.46E-03	1.41E-03
233-U	Ci	1.54E-02	4.36E-02	7.85E-03	0.00E+00	0.00E+00	9.31E-02	3.63E-02	5.41E-03
234-U	Ci	5.23E-03	1.94E-02	1.45E-01	0.00E+00	0.00E+00	2.61E-02	2.02E-02	1.40E-03
235-U	Ci	2.16E-04	7.86E-04	6.07E-03	0.00E+00	0.00E+00	1.06E-03	8.47E-04	5.66E-05
236-U	Ci	1.83E-04	6.65E-04	9.06E-02	0.00E+00	0.00E+00	8.23E-04	4.93E-04	4.41E-05
237-Np	Ci	9.39E-01	2.00E-01	1.10E-01	0.00E+00	0.00E+00	0.00E+00	6.58E-01	0.00E+00
238-Pu	Ci	4.99E-01	3.20E-03	1.82E-01	1.48E-01	0.00E+00	1.94E-04	1.89E-05	2.07E-03
238-U	Ci	4.72E-03	1.77E-02	1.40E-01	0.00E+00	0.00E+00	2.37E-02	1.91E-02	1.27E-03
239-Pu	Ci	1.36E+00	2.88E-02	4.16E-01	1.13E-01	0.00E+00	6.58E-03	3.27E-01	7.06E-02
240-Pu	Ci	2.30E-01	8.68E-03	9.04E-02	3.41E-02	0.00E+00	1.12E-03	8.17E-02	1.20E-02
241-Am	Ci	2.07E-01	3.71E-01	9.65E-01	0.00E+00	0.00E+00	9.40E-02	4.42E-01	2.36E+00
241-Pu	Ci	4.38E+00	2.22E-01	1.68E+00	1.41E+00	0.00E+00	1.32E-02	1.28E-03	1.41E-01
242-Cm	Ci	4.59E-07	5.21E-04	1.72E-03	0.00E+00	0.00E+00	2.55E-04	2.99E-08	6.28E-03
242-Pu	Ci	2.08E-05	1.57E-06	1.09E-05	0.00E+00	0.00E+00	7.25E-08	6.89E-09	7.75E-07
243-Am	Ci	1.03E-05	3.81E-05	9.63E-02	0.00E+00	0.00E+00	3.36E-06	1.07E-07	8.43E-05
243-Cm	Ci	1.08E-08	6.06E-05	1.88E-04	0.00E+00	0.00E+00	2.38E-05	2.18E-09	5.82E-04
244-Cm	Ci	3.41E-07	2.29E-03	3.76E-03	0.00E+00	0.00E+00	2.29E-04	2.60E-08	5.50E-03
3-H	Ci	6.86E+00	1.94E+00	1.09E+02	0.00E+00	1.87E+03	0.00E+00	1.76E+02	3.35E+00
59-Ni	Ci	2.94E-01	7.80E-02	1.72E-01	0.00E+00	0.00E+00	0.00E+00	1.72E+00	0.00E+00
60-Co	Ci	8.56E+01	7.78E+00	2.13E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+01	2.61E+01
63-Ni	Ci	2.93E+01	7.71E+00	1.71E+01	0.00E+00	0.00E+00	0.00E+00	1.67E+02	0.00E+00
79-Se	Ci	1.69E-01	6.40E-02	2.44E-02	4.13E+01	2.28E+01	0.00E+00	2.38E+00	1.05E+01
90-Sr	Ci	3.17E+02	3.29E+02	1.29E+03	0.00E+00	0.00E+00	2.54E+01	2.94E+03	4.12E+03
90-Y	Ci	3.17E+02	3.29E+02	1.29E+03	0.00E+00	0.00E+00	2.54E+01	2.94E+03	4.12E+03
93-Zr	Ci	6.72E+00	7.36E-01	3.18E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+01	0.00E+00
93m-Nb	Ci	4.82E+00	5.19E-01	2.53E+00	0.00E+00	0.00E+00	0.00E+00	8.20E+00	0.00E+00
99-Tc	Ci	5.20E+01	5.69E+00	8.33E-01	7.46E+02	5.99E+02	4.69E-01	1.79E+02	2.20E+02
Ag+	kg	0.00E+00							
Al+3	kg	8.11E+03	2.11E+00	2.64E+03	3.23E+04	4.97E+03	9.73E+04	2.49E+04	5.59E+04
As+5	kg	0.00E+00							
B+3	kg	0.00E+00							
Ba+2	kg	0.00E+00	0.00E+00	0.00E+00	8.54E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be+2	kg	0.00E+00							
Bi+3	kg	0.00E+00	4.70E+00	6.55E+00	0.00E+00	0.00E+00	0.00E+00	3.93E+01	0.00E+00
Ca+2	kg	4.94E+01	3.43E+01	6.10E+00	0.00E+00	0.00E+00	8.50E+02	5.43E+01	1.59E+02

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Table B3-1. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 6 of 6)

Species	Units	AW-106	AY-101	AY-102	AZ-101	AZ-102	SY-101	SY-102	SY-103
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	1.49E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce+3	kg	0.00E+00							
Cl-	kg	2.52E+03	1.11E+02	2.48E+02	6.09E+02	0.00E+00	2.78E+04	8.22E+03	1.57E+04
CN-	kg	0.00E+00							
Co+3	kg	0.00E+00							
CO3-2	kg	7.45E+04	5.99E+03	5.93E+04	1.01E+05	9.43E+04	1.67E+04	1.94E+04	0.00E+00
Cr(TOTAL)	kg	2.91E+02	1.83E+01	4.84E+01	2.23E+03	3.12E+03	1.51E+04	2.26E+03	4.46E+01
Cs+	kg	1.02E+01	5.92E-01	1.64E+00	1.13E+02	7.21E+01	3.97E-02	8.81E+00	1.94E+01
Cu+2	kg	0.00E+00							
F-	kg	1.45E+03	3.03E+01	1.67E+02	5.53E+03	3.25E+03	0.00E+00	8.96E+02	0.00E+00
Fe+3	kg	2.47E+01	2.09E+00	4.90E+00	3.50E+01	3.23E+01	2.07E+03	4.38E+01	2.84E+01
H2O	kg	0.00E+00							
Hg+2	kg	0.00E+00							
K+	kg	1.58E+04	7.43E+01	5.26E+02	1.41E+04	1.02E+04	1.08E+04	2.98E+03	5.28E+03
La+3	kg	0.00E+00	1.17E-01	3.27E+00	0.00E+00	5.44E+00	0.00E+00	9.21E+00	0.00E+00
Li+	kg	0.00E+00							
Mg+2	kg	0.00E+00							
Mn+4	kg	4.94E+00	4.14E-01	6.55E-01	0.00E+00	2.34E+00	0.00E+00	4.91E+00	0.00E+00
Mo+6	kg	0.00E+00							
Na+	kg	1.68E+05	9.03E+03	5.74E+04	3.33E+05	1.72E+05	7.39E+05	1.94E+05	2.86E+05
Nd+3	kg	0.00E+00							
NH3	kg	3.30E+04	1.17E+03	5.00E+01	9.47E+02	4.60E+02	8.01E+03	1.26E+00	3.91E+03
Ni+2	kg	6.46E+01	1.03E+01	3.12E+00	0.00E+00	6.75E+00	1.03E+03	1.34E+01	6.62E+01
NO2-	kg	6.93E+04	6.14E+03	9.26E+03	1.99E+05	9.27E+04	3.91E+05	9.15E+04	1.93E+05
NO3-	kg	1.17E+05	4.52E+03	7.01E+02	2.31E+05	7.67E+04	4.41E+05	1.80E+05	2.42E+05
OH(bound)	kg	1.48E+04	1.98E+03	6.81E+03	5.33E+04	8.13E+02	4.38E+04	5.43E+04	1.59E+04
OH-	kg	2.50E+04	2.18E+01	5.61E+02	3.99E+04	7.32E+03	3.94E+05	2.82E+04	1.43E+05
Pb+2	kg	4.94E+01	4.55E+00	6.55E+00	0.00E+00	0.00E+00	0.00E+00	4.83E+01	0.00E+00
Pd+2	kg	0.00E+00							
PO4-3	kg	2.07E+03	2.00E+02	2.39E+03	4.59E+03	4.57E+02	1.62E+04	1.14E+04	4.21E+03
Pr+3	kg	0.00E+00							
Pu+4	kg	0.00E+00							
Rb+	kg	0.00E+00							
Rh+3	kg	0.00E+00							
Ru+3	kg	0.00E+00							
Sb+5	kg	0.00E+00							
Se+6	kg	0.00E+00							
Si+4	kg	2.04E+02	2.09E+00	8.65E+00	0.00E+00	1.72E+03	0.00E+00	1.15E+02	1.07E+02
SO4-2	kg	4.74E+03	1.02E+03	2.69E+03	5.39E+04	5.58E+04	3.48E+03	1.51E+04	0.00E+00
Sr+2	kg	4.94E+00	8.04E-03	6.62E-01	0.00E+00	6.22E-01	0.00E+00	3.99E+00	0.00E+00
Ta+5	kg	0.00E+00							
Tc+7	kg	0.00E+00							
Te+6	kg	0.00E+00							
Th+4	kg	0.00E+00							
Ti+4	kg	0.00E+00							
Tl+3	kg	0.00E+00							
TOC	kg	3.42E+03	4.72E+02	1.34E+03	3.61E+03	4.87E+03	3.78E+04	2.65E+03	2.89E+04
U(TOTAL)	kg	0.00E+00	0.00E+00	1.54E+01	0.00E+00	0.00E+00	9.16E-02	1.83E-01	4.91E-03
V+5	kg	0.00E+00							
W+6	kg	0.00E+00							
Y+3	kg	0.00E+00							
Zn+2	kg	0.00E+00							
Zr+4	kg	4.94E+00	2.83E-01	1.44E+00	0.00E+00	1.33E+01	0.00E+00	4.87E+00	0.00E+00

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 1 of 6)

Species	Units	AN-101	AN-102	AN-103	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103
106-Ru	Ci	0.00E+00	4.85E-02	5.33E-02	3.23E-02	5.60E-02	3.70E-04	3.56E-02	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	5.65E+02	3.02E+02	2.90E+02	5.52E+02	4.48E+00	3.99E+02	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	1.26E+03	8.65E+02	7.45E+02	1.33E+03	9.17E+00	9.51E+02	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	3.15E+01	1.88E+01	1.72E+01	3.32E+01	2.57E-01	2.18E+01	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	0.00E+00	1.30E-01	1.71E-02	0.00E+00	2.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	0.00E+00	1.33E+05	8.05E+05	9.59E+05	8.85E+05	1.27E+04	3.74E+05	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	0.00E+00	1.26E+05	7.62E+05	9.07E+05	8.38E+05	1.20E+04	3.54E+05	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	6.47E-01	0.00E+00	0.00E+00	0.00E+00	1.69E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	7.34E+04	4.36E+04	4.00E+04	7.72E+04	5.99E+02	5.08E+04	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	2.73E+01	1.58E+01	1.45E+01	2.69E+01	2.13E-01	2.00E+01	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	3.77E+02	2.83E+02	3.05E+02	3.65E+02	3.22E+01	4.26E+03	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	3.29E+02	1.57E+02	5.80E+00	1.66E+03	1.27E+01	2.97E+04	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	7.96E-04	5.79E-04	4.63E-04	9.14E-04	6.87E-06	5.29E-04	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	4.90E-03	3.54E-03	2.86E-03	5.65E-03	4.29E-05	3.27E-03	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	1.72E+00	1.05E+00	1.03E+00	2.03E+00	1.27E-02	2.05E+00	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	3.99E-02	2.43E-02	2.39E-02	4.71E-02	2.95E-04	4.75E-02	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	2.35E-02	1.43E-02	1.28E-02	2.49E-02	2.00E-04	1.60E-02	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	1.83E-01	1.03E-01	1.09E-01	2.12E-01	1.25E-03	2.32E-01	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	3.84E-01	4.34E-02	1.66E-01	1.15E-01	1.03E-02	2.10E-01	0.00E+00	0.00E+00	0.00E+00
233-U	Ci	0.00E+00	1.47E+00	1.66E-01	6.36E-01	4.40E-01	3.96E-02	8.04E-01	0.00E+00	0.00E+00	0.00E+00
234-U	Ci	0.00E+00	3.04E-01	5.88E-02	1.88E-01	9.99E-02	3.57E-02	1.03E-01	0.00E+00	0.00E+00	0.00E+00
235-U	Ci	0.00E+00	1.21E-02	2.28E-03	7.33E-03	3.92E-03	1.37E-03	4.00E-03	0.00E+00	0.00E+00	0.00E+00
236-U	Ci	0.00E+00	1.08E-02	3.44E-03	1.01E-02	4.53E-03	2.58E-03	3.64E-03	0.00E+00	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	5.72E+00	2.66E-01	3.34E-02	5.28E+00	4.44E-02	3.98E+00	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	1.17E+01	1.71E-02	3.54E-01	2.12E-01	6.00E-03	3.17E+00	0.00E+00	0.00E+00	0.00E+00
238-U	Ci	0.00E+00	2.68E-01	4.61E-02	1.51E-01	8.35E-02	2.60E-02	8.88E-02	0.00E+00	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	3.03E+01	3.20E-01	7.63E+00	5.40E+00	8.00E-01	9.93E+01	0.00E+00	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	5.34E+00	6.64E-02	1.50E+00	1.02E+00	3.43E-02	1.75E+01	0.00E+00	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	2.95E+02	3.87E-01	4.80E+01	1.93E+01	7.53E-01	9.55E+02	0.00E+00	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	7.03E+01	1.44E+00	2.96E+01	1.65E+01	4.14E-01	2.28E+02	0.00E+00	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	8.21E-01	7.81E-04	1.13E-01	4.43E-02	1.96E-03	2.50E+00	0.00E+00	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	3.76E-04	6.78E-06	1.36E-04	8.17E-05	3.51E-06	1.22E-03	0.00E+00	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	1.16E-02	2.62E-05	2.66E-03	8.43E-04	2.21E-04	3.91E-02	0.00E+00	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	7.06E-01	7.94E-05	1.11E-02	4.38E-03	1.85E-04	2.38E-01	0.00E+00	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	1.69E+01	1.08E-03	1.12E-01	4.12E-02	1.64E-03	1.82E+00	0.00E+00	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	1.05E+00	1.03E+01	3.00E+01	6.97E+00	1.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	1.15E+01	7.58E+00	5.61E+00	1.11E+01	9.94E-02	6.49E+00	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	9.12E+01	1.73E+01	1.04E+00	1.52E+02	2.04E+00	2.92E+02	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	1.14E+03	7.47E+02	5.52E+02	1.09E+03	9.77E+00	6.42E+02	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	7.88E+04	8.76E+03	9.25E+04	4.79E+04	1.34E+02	2.61E+05	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	0.00E+00	7.88E+04	8.76E+03	9.25E+04	4.79E+04	1.34E+02	2.61E+05	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	1.03E+02	5.96E+01	5.53E+01	1.06E+02	8.37E-01	7.13E+01	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	7.38E+01	4.38E+01	4.02E+01	7.76E+01	6.04E-01	5.10E+01	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	4.96E+01	4.44E+02	3.38E+02	5.11E+02	1.25E+01	1.38E+02	0.00E+00	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	6.17E+03	1.67E+05	5.30E+04	6.50E+04	6.18E+02	3.05E+04	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00	1.29E+01	2.15E+02	4.98E+01	5.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	1.71E+02	9.96E+01	1.13E+02	0.00E+00	5.31E+01	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	1.05E+03	3.83E+02	5.55E+02	1.36E+03	4.98E+00	6.51E+02	0.00E+00	0.00E+00	0.00E+00

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 2 of 6)

Species	Units	AN-101	AN-102	AN-103	AN-104	AN-105	AN-106	AN-107	AP-101	AP-102	AP-103
Cd+2	kg	0.00E+00	1.57E+01	2.52E+01	2.37E+01	2.24E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce+3	kg	0.00E+00									
Cl-	kg	0.00E+00	1.04E+03	1.05E+04	1.13E+04	1.47E+04	3.99E+02	1.86E+03	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	3.11E+04	8.30E+04	1.60E+05	1.70E+05	1.35E+03	8.94E+04	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	0.00E+00	6.93E+02	1.69E+03	4.10E+03	6.42E+03	3.66E+01	8.14E+02	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	0.00E+00	4.42E+00	2.68E+01	3.19E+01	2.94E+01	4.22E-01	1.24E+01	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	4.50E+02	2.31E+03	2.03E+03	4.48E+03	5.85E+01	1.59E+03	0.00E+00	0.00E+00	0.00E+00
Fe+3	kg	0.00E+00	8.44E+02	1.41E+02	2.91E+02	2.61E+02	3.18E+01	7.25E+03	0.00E+00	0.00E+00	0.00E+00
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	8.80E+02	1.70E+04	9.07E+03	9.77E+03	6.57E+01	1.51E+03	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00	0.00E+00	3.72E+00	2.72E-02	1.18E+01	2.58E-02	4.18E+01	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	2.42E+02	1.71E+01	4.33E+01	3.47E+01	1.05E+01	7.66E+02	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	1.18E+05	5.69E+05	4.89E+05	5.08E+05	5.75E+03	1.94E+05	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00									
Ni+2	kg	0.00E+00	2.15E+02	3.43E+01	1.53E+02	1.08E+02	2.19E+01	4.33E+02	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	0.00E+00	1.99E+04	1.86E+05	1.60E+05	1.83E+05	1.78E+03	5.80E+04	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	0.00E+00	5.66E+04	4.10E+05	3.02E+05	3.16E+05	4.74E+03	2.02E+05	0.00E+00	0.00E+00	0.00E+00
OH(bound)	kg	0.00E+00	4.57E+04	4.49E+05	1.12E+05	2.00E+05	1.62E+03	5.58E+04	0.00E+00	0.00E+00	0.00E+00
OH-	kg	0.00E+00	5.08E+03	4.99E+04	9.43E+04	2.22E+04	1.80E+02	3.90E+02	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	0.00E+00	1.37E+02	1.71E+02	1.05E+02	1.22E+02	1.11E+01	4.99E+02	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	1.53E+03	5.93E+03	1.06E+04	1.52E+04	1.15E+03	6.97E+03	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	6.87E+02	1.60E+03	1.62E+03	4.66E+02	3.23E+00	2.04E+02	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	0.00E+00	1.31E+04	8.65E+03	3.07E+04	2.06E+04	1.66E+02	9.18E+03	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	1.01E+01	1.71E+01	9.96E+00	1.13E+01	0.00E+00	1.01E+01	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	8.24E+03	5.64E+03	1.23E+04	2.27E+04	2.10E+02	3.85E+04	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00	9.05E-01	0.00E+00	2.28E-01	3.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	2.80E+02	1.71E+01	4.28E+01	2.84E+01	8.97E-01	2.19E+02	0.00E+00	0.00E+00	0.00E+00

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 3 of 6)

Species	Units	AP-104	AP-105	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105
106-Ru	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	1.61E+03	9.78E+00	4.21E+02
113m-Cd	Ci	0.00E+00	2.80E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+01	3.37E+00	1.88E-01	5.37E+01
125-Sb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E+01	1.89E+02	1.96E+00	1.66E+03
126-Sn	Ci	0.00E+00	1.69E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-01	1.05E-01	1.05E-02	3.51E+00
129-I	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-02	0.00E+00	0.00E+00	2.62E+00
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E+01	2.45E-01	0.00E+00	0.00E+00	9.45E+01
137-Cs	Ci	0.00E+00	1.82E+05	0.00E+00	0.00E+00	0.00E+00	5.16E+05	3.76E+04	1.27E+05	2.97E+05	4.44E+04
137m-Ba	Ci	0.00E+00	1.72E+05	0.00E+00	0.00E+00	0.00E+00	4.88E+05	3.56E+04	1.20E+05	2.81E+05	4.20E+04
14-C	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E+00	0.00E+00	0.00E+00	1.07E+00
151-Sm	Ci	0.00E+00	3.93E+04	0.00E+00	0.00E+00	0.00E+00	5.53E+04	1.74E+03	2.30E+02	2.42E+01	8.11E+03
152-Eu	Ci	0.00E+00	1.38E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-01	1.53E+00	2.79E-02	3.56E+00
154-Eu	Ci	0.00E+00	6.33E+01	0.00E+00	0.00E+00	0.00E+00	2.32E+02	9.99E+01	5.89E+01	1.66E+00	2.18E+03
155-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E+01	2.77E+02	4.10E+00	2.30E+03
226-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-05	6.53E-07	2.67E-07	1.01E-04
227-Ac	Ci	0.00E+00	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	3.88E-06	1.66E-06	6.23E-04
228-Ra	Ci	0.00E+00	1.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-02	3.32E-04	5.71E-04	1.47E-01
229-Th	Ci	0.00E+00	2.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	7.73E-06	1.33E-05	3.41E-03
231-Pa	Ci	0.00E+00	1.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	2.07E-05	7.39E-06	2.44E-03
232-Th	Ci	0.00E+00	1.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-03	2.81E-05	5.84E-05	1.44E-02
232-U	Ci	0.00E+00	9.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-01	4.83E-02	1.33E-02	7.67E-03
233-U	Ci	0.00E+00	3.56E-02	0.00E+00	0.00E+00	0.00E+00	1.37E+00	1.86E-01	2.40E-02	1.97E-02	5.73E+00
234-U	Ci	0.00E+00	3.26E-02	0.00E+00	0.00E+00	0.00E+00	8.03E-01	6.30E-02	3.17E+01	1.15E+01	1.94E+01
235-U	Ci	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	3.08E-02	2.60E-03	1.20E+00	4.36E-01	7.39E-01
236-U	Ci	0.00E+00	2.38E-03	0.00E+00	0.00E+00	0.00E+00	5.54E-02	2.21E-03	2.61E+00	9.45E-01	1.55E+00
237-Np	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-02	3.17E-02	1.76E-03	4.39E-01
238-Pu	Ci	0.00E+00	9.88E-02	0.00E+00	0.00E+00	0.00E+00	5.61E+00	4.62E+00	6.16E+01	1.42E+02	8.48E+01
238-U	Ci	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	5.94E-01	5.69E-02	2.18E+01	7.88E+00	1.35E+01
239-Pu	Ci	0.00E+00	1.28E+00	0.00E+00	0.00E+00	0.00E+00	5.49E+01	1.29E+02	4.99E+02	1.15E+03	1.05E+03
240-Pu	Ci	0.00E+00	3.10E-01	0.00E+00	0.00E+00	0.00E+00	1.51E+01	2.19E+01	1.52E+02	3.49E+02	3.16E+02
241-Am	Ci	0.00E+00	6.09E+00	0.00E+00	0.00E+00	0.00E+00	5.55E+01	1.70E+01	1.43E+01	5.87E-01	6.49E+02
241-Pu	Ci	0.00E+00	9.30E+00	0.00E+00	0.00E+00	0.00E+00	5.60E+02	3.16E+02	6.29E+03	1.45E+04	1.30E+04
242-Cm	Ci	0.00E+00	9.77E-03	0.00E+00	0.00E+00	0.00E+00	9.99E-02	2.94E-04	4.95E-02	2.66E-03	1.24E+00
242-Pu	Ci	0.00E+00	3.83E-05	0.00E+00	0.00E+00	0.00E+00	2.14E-03	1.98E-03	2.35E-02	5.40E-02	4.85E-02
243-Am	Ci	0.00E+00	5.80E-04	0.00E+00	0.00E+00	0.00E+00	4.46E-03	8.49E-04	3.03E-03	9.80E-05	8.56E-02
243-Cm	Ci	0.00E+00	5.76E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02	6.00E-06	8.29E-03	4.19E-04	5.48E+00
244-Cm	Ci	0.00E+00	1.38E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-01	1.75E-04	5.51E-02	2.01E-03	1.31E+02
3-H	Ci	0.00E+00	6.35E+00	0.00E+00	0.00E+00	0.00E+00	6.14E+00	9.65E+00	0.00E+00	0.00E+00	8.66E+00
59-Ni	Ci	0.00E+00	5.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E-01	1.96E-01	5.82E-03	1.08E+00
60-Co	Ci	0.00E+00	2.26E+01	0.00E+00	0.00E+00	0.00E+00	9.01E+01	8.92E+00	7.84E+00	1.38E-01	2.22E+02
63-Ni	Ci	0.00E+00	5.44E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.24E+01	2.27E+01	6.19E-01	1.09E+02
79-Se	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-01	4.96E-01	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	1.31E+04	0.00E+00	0.00E+00	0.00E+00	5.48E+04	8.81E+03	2.09E+04	1.18E+03	8.04E+04
90-Y	Ci	0.00E+00	1.31E+04	0.00E+00	0.00E+00	0.00E+00	5.48E+04	8.81E+03	2.09E+04	1.18E+03	8.04E+04
93-Zr	Ci	0.00E+00	5.40E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E+00	3.21E-01	3.34E-02	1.09E+01
93m-Nb	Ci	0.00E+00	3.95E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E+00	1.40E-01	2.36E-02	8.01E+00
99-Tc	Ci	0.00E+00	8.23E+01	0.00E+00	0.00E+00	0.00E+00	2.59E+02	1.25E+01	0.00E+00	2.15E+02	8.35E+01
Ag+	kg	0.00E+00	9.64E+02	0.00E+00	0.00E+00						
Al+3	kg	0.00E+00	4.61E+03	0.00E+00	0.00E+00	0.00E+00	3.03E+04	5.18E+03	1.27E+04	2.06E+04	3.55E+03
As+5	kg	0.00E+00	3.53E+03	0.00E+00	0.00E+00						
B+3	kg	0.00E+00	2.33E+03	0.00E+00	0.00E+00						
Ba+2	kg	0.00E+00	1.80E+03	0.00E+00	0.00E+00						
Be+2	kg	0.00E+00	1.97E+02	0.00E+00	0.00E+00						
Bi+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E+01	3.70E+01	7.72E+02	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	1.57E+02	0.00E+00	0.00E+00	0.00E+00	4.50E+02	9.33E+01	1.80E+03	3.65E+03	1.32E+03

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 4 of 6)

Species	Units	AP-104	AP-105	AP-106	AP-107	AP-108	AW-101	AW-102	AW-103	AW-104	AW-105
Cd+2	kg	0.00E+00	1.81E+02	0.00E+00	0.00E+00						
Ce+3	kg	0.00E+00	3.60E+03	0.00E+00	0.00E+00						
Cl-	kg	0.00E+00	7.08E+02	0.00E+00	0.00E+00	0.00E+00	6.95E+03	1.25E+03	1.76E+03	3.06E+03	4.59E+02
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00	7.21E+02	0.00E+00	0.00E+00						
CO3-2	kg	0.00E+00	3.92E+04	0.00E+00	0.00E+00	0.00E+00	5.74E+04	1.77E+04	1.46E+04	6.12E+04	9.35E+03
Cr(TOTAL)	kg	0.00E+00	1.06E+02	0.00E+00	0.00E+00	0.00E+00	6.57E+02	9.67E+02	3.17E+03	2.64E+03	1.78E+03
Cs+	kg	0.00E+00	6.05E+00	0.00E+00	0.00E+00	0.00E+00	1.71E+01	1.25E+00	4.22E+00	9.87E+00	1.48E+00
Cu+2	kg	0.00E+00	3.60E+02	0.00E+00	0.00E+00						
F-	kg	0.00E+00	1.08E+04	0.00E+00	0.00E+00	0.00E+00	4.24E+03	1.49E+02	1.15E+05	3.28E+04	6.28E+04
Fe+3	kg	0.00E+00	4.47E+01	0.00E+00	0.00E+00	0.00E+00	6.39E+02	6.90E+01	1.65E+03	6.52E+03	4.21E+03
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.63E+04	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	1.97E+03	0.00E+00	0.00E+00	0.00E+00	4.21E+04	7.31E+02	2.29E+04	2.30E+02	8.94E+03
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E+00	1.37E+01	1.72E+03	0.00E+00	3.49E+02
Li+	kg	0.00E+00	3.54E+02	0.00E+00	0.00E+00						
Mg+2	kg	0.00E+00	3.60E+03	0.00E+00	0.00E+00						
Mn+4	kg	0.00E+00	9.90E+00	0.00E+00	0.00E+00	0.00E+00	4.35E+02	1.15E+01	5.40E+02	2.13E+03	2.96E+03
Mo+6	kg	0.00E+00	1.80E+03	0.00E+00	0.00E+00						
Na+	kg	0.00E+00	1.03E+05	0.00E+00	0.00E+00	0.00E+00	2.92E+05	3.76E+04	2.83E+05	2.13E+05	1.29E+05
Nd+3	kg	0.00E+00	3.53E+03	0.00E+00	0.00E+00						
NH3	kg	0.00E+00									
Ni+2	kg	0.00E+00	2.96E+01	0.00E+00	0.00E+00	0.00E+00	6.35E+01	5.50E+01	3.58E+02	2.81E+03	3.17E+02
NO2-	kg	0.00E+00	1.65E+04	0.00E+00	0.00E+00	0.00E+00	1.25E+05	1.83E+04	2.89E+04	5.58E+04	9.04E+03
NO3-	kg	0.00E+00	6.44E+04	0.00E+00	0.00E+00	0.00E+00	2.56E+05	2.30E+04	8.37E+04	8.43E+04	3.24E+04
OH(bound)	kg	0.00E+00	6.60E+03	0.00E+00	0.00E+00	0.00E+00	3.25E+04	3.82E+03	2.29E+05	4.98E+04	8.71E+04
OH-	kg	0.00E+00	1.62E+04	0.00E+00	0.00E+00	0.00E+00	9.54E+04	1.88E+04	2.55E+04	4.12E+04	9.68E+03
Pb+2	kg	0.00E+00	2.22E+01	0.00E+00	0.00E+00	0.00E+00	7.75E+01	1.92E+01	3.60E+03	3.53E+01	4.37E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	5.05E+03	0.00E+00	0.00E+00	0.00E+00	6.23E+03	3.29E+03	5.78E+03	2.79E+03	1.90E+03
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00	1.47E+03	0.00E+00	0.00E+00						
Ru+3	kg	0.00E+00	1.84E+02	0.00E+00	0.00E+00						
Sb+5	kg	0.00E+00	2.49E+03	0.00E+00	0.00E+00						
Se+6	kg	0.00E+00	6.14E+02	0.00E+00	0.00E+00						
Si+4	kg	0.00E+00	2.48E+02	0.00E+00	0.00E+00	0.00E+00	8.36E+02	9.20E+01	5.69E+03	2.06E+03	2.57E+03
SO4-2	kg	0.00E+00	8.25E+03	0.00E+00	0.00E+00	0.00E+00	6.11E+03	3.20E+03	3.60E+03	1.53E+04	2.68E+03
Sr+2	kg	0.00E+00	3.20E-01	0.00E+00	0.00E+00	0.00E+00	1.34E+00	5.41E+00	3.60E+02	2.88E-02	1.72E+01
Ta+5	kg	0.00E+00	2.35E+02	0.00E+00	0.00E+00						
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00	6.14E+02	0.00E+00	0.00E+00						
Th+4	kg	0.00E+00	6.14E+02	0.00E+00	0.00E+00						
Ti+4	kg	0.00E+00	3.41E+02	0.00E+00	0.00E+00						
Tl+3	kg	0.00E+00	7.07E+03	0.00E+00	0.00E+00						
TOC	kg	0.00E+00	2.93E+03	0.00E+00	0.00E+00	0.00E+00	7.17E+03	1.77E+03	1.04E+04	7.93E+03	6.45E+03
U(TOTAL)	kg	0.00E+00	4.92E-01	0.00E+00	4.39E+01						
V+5	kg	0.00E+00	1.86E+03	0.00E+00							
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00	4.05E+02	0.00E+00							
Zr+4	kg	0.00E+00	7.24E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E+02	1.78E+01	2.21E+05	1.12E+03

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 5 of 6)

Species	Units	AW-106	AY-101	AY-102	AZ-101	AZ-102	SY-101	SY-102	SY-103
106-Ru	Ci	7.00E-03	5.35E+00	4.04E-01	4.85E+04	7.62E+04	4.16E-02	1.16E-03	2.16E-02
113m-Cd	Ci	7.19E+01	1.62E+03	4.28E+01	2.12E+03	1.22E+03	5.26E+02	1.56E+01	2.73E+02
125-Sb	Ci	1.63E+02	5.15E+01	3.85E+02	1.31E+05	9.27E+04	9.89E+02	3.03E+01	5.24E+02
126-Sn	Ci	3.98E+00	1.44E+02	2.24E+01	6.57E+01	3.54E+01	3.06E+01	9.27E-01	1.58E+01
129-I	Ci	1.58E-01	6.25E-02	2.34E-01	0.00E+00	0.00E+00	2.79E+00	1.65E-01	0.00E+00
134-Cs	Ci	9.25E+01	1.25E+00	5.20E-01	0.00E+00	0.00E+00	1.68E+01	8.84E-01	0.00E+00
137-Cs	Ci	2.46E+05	5.14E+04	2.33E+05	1.90E+06	6.69E+05	2.20E+06	1.08E+04	5.37E+05
137m-Ba	Ci	2.33E+05	4.86E+04	2.20E+05	0.00E+00	0.00E+00	2.08E+06	1.02E+04	5.08E+05
14-C	Ci	1.92E+01	4.75E+00	3.33E+00	5.32E-01	0.00E+00	2.04E+02	1.23E+00	0.00E+00
151-Sm	Ci	9.28E+03	3.01E+05	5.29E+04	1.42E+05	8.02E+04	7.14E+04	2.16E+03	3.69E+04
152-Eu	Ci	3.79E+00	2.37E+02	5.78E+01	2.73E+02	1.42E+02	2.46E+01	7.45E-01	1.27E+01
154-Eu	Ci	4.71E+02	1.50E+04	5.22E+03	5.76E+04	2.31E+04	3.73E+03	5.37E+02	1.76E+03
155-Eu	Ci	2.42E+02	1.22E+04	3.49E+03	7.15E+04	2.66E+04	1.46E+03	4.86E+02	1.62E+03
226-Ra	Ci	1.06E-04	6.82E-03	3.52E-03	1.80E-04	8.50E-05	8.54E-04	2.74E-05	4.36E-04
227-Ac	Ci	6.23E-04	3.49E-02	1.70E-02	1.00E-03	4.80E-04	5.42E-03	1.68E-04	2.75E-03
228-Ra	Ci	2.33E-01	9.38E-03	2.23E-04	1.10E-08	6.00E-09	8.65E-01	1.95E-02	5.56E-01
229-Th	Ci	5.42E-03	4.35E-04	1.06E-04	1.20E-06	6.80E-07	2.03E-02	4.73E-04	1.30E-02
231-Pa	Ci	2.91E-03	4.95E-02	1.41E-02	3.10E-03	1.80E-03	2.50E-02	7.54E-04	1.28E-02
232-Th	Ci	2.84E-02	2.50E-05	2.41E-05	1.60E-08	9.39E-09	5.84E-02	2.15E-03	4.58E-02
232-U	Ci	2.28E-01	3.31E-02	1.79E-03	4.48E-02	1.85E-02	6.56E-02	9.11E-02	6.19E-01
233-U	Ci	8.75E-01	1.27E-01	5.91E-03	1.71E-01	6.71E-02	2.52E-01	3.50E-01	2.37E+00
234-U	Ci	2.97E-01	5.64E-02	1.26E+00	1.19E+00	4.64E+00	7.08E-02	1.95E-01	6.15E-01
235-U	Ci	1.22E-02	2.29E-03	4.84E-02	4.52E-02	1.77E-01	2.87E-03	8.15E-03	2.48E-02
236-U	Ci	1.04E-02	1.94E-03	9.59E-02	9.62E-02	3.82E-01	2.23E-03	4.75E-03	1.93E-02
237-Np	Ci	4.19E-01	1.06E-01	7.30E-02	1.96E+01	1.17E+01	5.24E+00	4.24E-01	2.74E+00
238-Pu	Ci	2.18E+01	5.12E+01	7.44E+01	1.60E+02	1.81E+02	1.17E+00	1.51E-01	3.57E+01
238-U	Ci	2.69E-01	5.14E-02	9.03E-01	8.22E-01	3.19E+00	6.43E-02	1.84E-01	5.57E-01
239-Pu	Ci	6.08E+02	4.61E+02	1.40E+03	9.52E+02	1.25E+03	3.97E+01	2.60E+03	1.14E+02
240-Pu	Ci	1.03E+02	1.39E+02	2.95E+02	2.69E+02	3.72E+02	6.76E+00	6.49E+02	1.95E+01
241-Am	Ci	8.01E+01	1.17E+03	3.50E+03	2.26E+04	1.48E+04	6.33E+02	1.16E+04	1.44E+03
241-Pu	Ci	1.48E+03	3.55E+03	5.35E+03	8.75E+03	1.71E+04	7.94E+01	1.01E+01	2.29E+02
242-Cm	Ci	1.38E-03	1.64E+00	6.61E+00	2.54E+01	1.12E+01	1.72E+00	7.85E-04	3.83E+00
242-Pu	Ci	9.30E-03	2.52E-02	3.31E-02	7.40E-02	3.40E-02	4.37E-04	5.48E-05	1.26E-03
243-Am	Ci	3.99E-03	1.20E-01	2.49E-01	9.98E+00	4.42E+00	2.26E-02	2.80E-03	5.14E-02
243-Cm	Ci	2.82E-05	1.91E-01	2.98E+00	4.36E+00	1.77E+00	1.60E-01	5.73E-05	3.55E-01
244-Cm	Ci	8.21E-04	7.23E+00	7.98E+01	1.09E+02	4.21E+01	1.54E+00	6.83E-04	3.35E+00
3-H	Ci	4.69E+01	2.50E+01	5.65E+00	4.79E+00	0.00E+00	1.38E+03	2.71E-01	0.00E+00
59-Ni	Ci	1.59E+00	1.05E+02	7.76E+01	1.99E+01	1.08E+01	1.30E+01	1.65E-01	6.51E+00
60-Co	Ci	6.12E+01	1.18E+03	1.11E+02	4.61E+03	3.42E+03	2.28E+02	5.02E+01	1.21E+02
63-Ni	Ci	1.59E+02	1.04E+04	7.66E+03	2.30E+03	1.25E+03	1.28E+03	1.62E+01	6.39E+02
79-Se	Ci	2.37E+00	9.10E+01	1.46E+01	0.00E+00	0.00E+00	2.03E+01	6.13E-01	0.00E+00
90-Sr	Ci	4.15E+04	2.10E+06	5.92E+06	6.36E+06	3.70E+06	1.25E+05	3.48E+04	7.69E+04
90-Y	Ci	4.15E+04	2.10E+06	5.92E+06	6.36E+06	3.70E+06	1.25E+05	3.48E+04	7.69E+04
93-Zr	Ci	1.30E+01	4.05E+02	5.79E+01	1.99E+02	1.11E+02	9.95E+01	3.01E+00	5.15E+01
93m-Nb	Ci	9.36E+00	3.01E+02	5.24E+01	8.74E+01	4.33E+01	7.21E+01	2.19E+00	3.73E+01
99-Tc	Ci	7.03E+01	3.23E+01	2.63E+01	3.54E+02	0.00E+00	1.46E+03	2.37E+01	5.46E+02
Ag+	kg	0.00E+00							
Al+3	kg	2.61E+04	2.15E+04	3.23E+04	1.67E+04	2.59E+04	1.22E+05	1.25E+04	8.92E+04
As+5	kg	0.00E+00	0.00E+00	0.00E+00	1.35E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
B+3	kg	0.00E+00							
Ba+2	kg	0.00E+00							
Be+2	kg	0.00E+00	0.00E+00	0.00E+00	4.07E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Bi+3	kg	0.00E+00	2.34E+01	5.42E-01	0.00E+00	0.00E+00	0.00E+00	4.98E+02	0.00E+00
Ca+2	kg	4.49E+02	1.13E+03	3.30E+03	5.66E+02	1.11E+03	1.56E+03	7.70E+02	7.85E+02

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Table B3-2. Hanford 200 Area Double-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 6 of 6)

Species	Units	AW-106	AY-101	AY-102	AZ-101	AZ-102	SY-101	SY-102	SY-103
Cd+2	kg	0.00E+00							
Ce+3	kg	0.00E+00							
Cl-	kg	6.43E+03	1.89E+02	1.40E+03	3.32E+01	3.18E+01	2.84E+04	8.36E+02	1.58E+04
CN-	kg	0.00E+00							
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	2.69E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO3-2	kg	1.00E+05	8.17E+03	6.16E+04	6.98E+03	3.28E+04	2.35E+05	1.08E+04	9.46E+04
Cr(TOTAL)	kg	4.61E+03	4.81E+02	1.41E+03	4.15E+02	8.23E+02	9.50E+03	4.82E+03	2.19E+04
Cs+	kg	8.19E+00	1.71E+00	7.74E+00	3.91E+01	1.32E+01	7.31E+01	3.59E-01	1.79E+01
Cu+2	kg	0.00E+00							
F-	kg	1.03E+03	2.14E+02	4.66E+02	5.74E+02	4.16E+02	7.08E+03	6.61E+02	3.36E+03
Fe+3	kg	3.30E+02	5.38E+03	6.16E+04	2.32E+04	4.84E+04	0.00E+00	5.13E+03	5.82E+03
H2O	kg	0.00E+00							
Hg+2	kg	0.00E+00	0.00E+00	3.04E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K+	kg	6.99E+03	1.47E+02	5.56E+02	1.60E+03	9.38E+02	1.19E+04	5.37E+02	7.57E+03
La+3	kg	0.00E+00	8.38E+02	6.30E+02	8.83E+02	1.67E+03	0.00E+00	3.18E+01	1.00E+02
Li+	kg	0.00E+00	0.00E+00	0.00E+00	1.72E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mg+2	kg	0.00E+00							
Mn+4	kg	5.50E+01	8.72E+02	8.31E+03	7.05E+02	1.06E+03	1.19E+03	1.71E+03	1.15E+03
Mo+6	kg	0.00E+00							
Na+	kg	2.15E+05	3.81E+04	5.06E+04	2.10E+04	2.73E+04	6.41E+05	3.09E+04	4.33E+05
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	6.33E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NH3	kg	0.00E+00							
Ni+2	kg	2.73E+02	1.03E+02	8.17E+02	1.36E+03	3.28E+03	0.00E+00	7.39E+01	2.24E+02
NO2-	kg	1.02E+05	1.29E+04	3.27E+03	1.15E+04	1.06E+04	3.51E+05	1.10E+04	1.84E+05
NO3-	kg	1.34E+05	7.15E+03	2.89E+02	1.22E+04	2.70E+03	4.09E+05	3.60E+04	2.63E+05
OH(bound)	kg	2.62E+04	6.14E+04	1.12E+05	5.53E+04	8.65E+04	2.32E+05	2.62E+04	2.59E+05
OH-	kg	9.39E+04	1.84E+01	1.80E+02	6.15E+03	9.61E+03	2.58E+04	2.91E+03	2.87E+04
Pb+2	kg	1.01E+02	2.48E+02	2.22E+03	4.55E+02	4.03E+02	1.16E+03	3.93E+02	6.30E+02
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PO4-3	kg	1.59E+04	3.57E+03	9.00E+03	1.62E+02	0.00E+00	2.83E+04	1.18E+04	3.64E+04
Pr+3	kg	0.00E+00							
Pu+4	kg	0.00E+00							
Rb+	kg	0.00E+00							
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	1.02E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	2.07E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	6.33E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	4.26E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Si+4	kg	4.78E+02	4.43E+02	8.50E+03	1.37E+03	1.72E+03	1.23E+04	4.82E+02	0.00E+00
SO4-2	kg	1.61E+04	2.05E+03	1.25E+03	4.49E+03	5.97E+03	2.30E+04	2.02E+03	1.70E+04
Sr+2	kg	2.65E+01	5.14E+01	1.14E+02	1.17E+02	1.21E+02	3.04E+00	2.23E+01	8.60E+00
Ta+5	kg	0.00E+00							
Tc+7	kg	0.00E+00							
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	4.52E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	2.90E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	1.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tl+3	kg	0.00E+00							
TOC	kg	9.10E+03	1.11E+03	1.24E+04	2.44E+03	1.37E+03	6.52E+04	2.98E+03	9.00E+03
U(TOTAL)	kg	0.00E+00	6.20E-03	0.00E+00	2.47E+00	3.24E+00	2.48E-01	8.06E-01	1.17E+00
V+5	kg	0.00E+00	0.00E+00	0.00E+00	6.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W+6	kg	0.00E+00							
Y+3	kg	0.00E+00							
Zn+2	kg	0.00E+00							
Zr+4	kg	8.47E+01	3.04E+01	8.37E+02	8.22E+03	6.71E+03	1.28E+02	2.92E+01	1.23E+02

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 1 of 30)



Species	Units	A-101	A-102	A-103	A-104	A-105	A-106	AX-101	AX-102	AX-103	AX-104
106-Ru	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E+02	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E+02	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E+01	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	0.00E+00	7.56E-03	0.00E+00						
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E+01	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	9.92E+05	0.00E+00	2.58E+04	0.00E+00	0.00E+00	0.00E+00	7.50E+05	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	9.41E+05	0.00E+00	2.44E+04	0.00E+00	0.00E+00	0.00E+00	7.10E+05	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	0.00E+00	7.76E-02	0.00E+00						
151-Sm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E+04	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+01	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	2.27E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E+02	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E+02	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-04	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-03	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+00	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-02	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-02	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-01	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	4.00E-01	0.00E+00	1.87E-07	0.00E+00	0.00E+00	0.00E+00	3.17E-01	0.00E+00	0.00E+00	0.00E+00
233-U	Ci	1.53E+00	0.00E+00	7.17E-07	0.00E+00	0.00E+00	0.00E+00	1.22E+00	0.00E+00	0.00E+00	0.00E+00
234-U	Ci	2.59E-01	0.00E+00	1.14E-07	0.00E+00	0.00E+00	0.00E+00	1.96E-01	0.00E+00	0.00E+00	0.00E+00
235-U	Ci	1.03E-02	0.00E+00	4.52E-09	0.00E+00	0.00E+00	0.00E+00	7.74E-03	0.00E+00	0.00E+00	0.00E+00
236-U	Ci	8.35E-03	0.00E+00	3.68E-09	0.00E+00	0.00E+00	0.00E+00	6.30E-03	0.00E+00	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E+00	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	0.00E+00	5.26E-02	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00
238-U	Ci	2.32E-01	0.00E+00	1.01E-07	0.00E+00	0.00E+00	0.00E+00	1.73E-01	0.00E+00	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	0.00E+00	1.74E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-01	0.00E+00	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	0.00E+00	3.01E-01	0.00E+00	0.00E+00	0.00E+00	6.65E-02	0.00E+00	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	0.00E+00	1.20E-01	0.00E+00	0.00E+00	0.00E+00	7.65E-01	0.00E+00	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	0.00E+00	3.65E+00	0.00E+00	0.00E+00	0.00E+00	9.03E-01	0.00E+00	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	0.00E+00	1.99E-05	0.00E+00	0.00E+00	0.00E+00	5.15E-06	0.00E+00	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	0.00E+00	4.23E-06	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	0.00E+00	2.63E-05	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	1.88E-03	0.00E+00	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E+02	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E+00	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	3.71E+01	0.00E+00	6.07E-01	0.00E+00	0.00E+00	0.00E+00	3.22E+01	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E+02	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+01	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	2.06E+02	0.00E+00	1.88E+02	0.00E+00	0.00E+00	0.00E+00	5.13E+02	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	2.06E+02	0.00E+00	1.88E+02	0.00E+00	0.00E+00	0.00E+00	5.13E+02	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E+01	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E+01	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	0.00E+00	1.81E+01	0.00E+00						
Ag+	kg	0.00E+00									
Al+3	kg	1.14E+05	0.00E+00	2.71E+03	0.00E+00	0.00E+00	0.00E+00	1.04E+05	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	1.68E+01	0.00E+00						
Ca+2	kg	1.39E+02	0.00E+00	1.09E+01	0.00E+00	0.00E+00	0.00E+00	1.04E+02	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 2 of 30)

Species	Units	A-101	A-102	A-103	A-104	A-105	A-106	AX-101	AX-102	AX-103	AX-104
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	5.61E-01	0.00E+00	0.00E+00	0.00E+00	8.74E-11	0.00E+00	0.00E+00	0.00E+00
Cl-	kg	2.04E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E+04	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	3.25E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E+04	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	1.31E+02	0.00E+00	2.25E+01	0.00E+00	0.00E+00	0.00E+00	1.68E+02	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	3.30E+01	0.00E+00	8.58E-01	0.00E+00	0.00E+00	0.00E+00	2.49E+01	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	2.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E+02	0.00E+00	0.00E+00	0.00E+00
Fe+3	kg	6.95E+01	0.00E+00	1.38E+00	0.00E+00	0.00E+00	0.00E+00	5.21E+01	0.00E+00	0.00E+00	0.00E+00
H2O	kg	1.75E+06	0.00E+00	6.70E+04	0.00E+00	0.00E+00	0.00E+00	1.24E+06	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	1.68E+04	0.00E+00	4.13E+02	0.00E+00	0.00E+00	0.00E+00	1.55E+04	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00									
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	1.39E+01	0.00E+00	3.05E+01	0.00E+00	0.00E+00	0.00E+00	1.04E+01	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	5.55E+05	0.00E+00	1.67E+04	0.00E+00	0.00E+00	0.00E+00	4.91E+05	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	3.07E+03	0.00E+00	1.21E+03	0.00E+00	0.00E+00	0.00E+00	2.51E+03	0.00E+00	0.00E+00	0.00E+00
Ni+2	kg	2.79E+01	0.00E+00	7.19E+00	0.00E+00	0.00E+00	0.00E+00	2.09E+01	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	3.49E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E+05	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	3.48E+05	0.00E+00	1.01E+04	0.00E+00	0.00E+00	0.00E+00	2.88E+05	0.00E+00	0.00E+00	0.00E+00
OH(BOUND)	kg	2.00E+05	0.00E+00	1.16E+04	0.00E+00	0.00E+00	0.00E+00	2.42E+05	0.00E+00	0.00E+00	0.00E+00
OH-	kg	1.05E+05	0.00E+00	2.90E+03	0.00E+00	0.00E+00	0.00E+00	7.53E+04	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	2.76E+02	0.00E+00	1.24E+01	0.00E+00	0.00E+00	0.00E+00	2.88E+02	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	8.51E+03	0.00E+00	2.79E+02	0.00E+00	0.00E+00	0.00E+00	5.91E+03	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	3.44E+02	0.00E+00	2.60E+01	0.00E+00	0.00E+00	0.00E+00	2.42E+02	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	3.30E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E+03	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	1.39E+01	0.00E+00	3.20E-03	0.00E+00	0.00E+00	0.00E+00	1.04E+01	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	8.54E+03	0.00E+00	6.31E+02	0.00E+00	0.00E+00	0.00E+00	6.72E+03	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00	0.00E+00	1.34E-06	0.00E+00						
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	1.45E+01	0.00E+00	7.03E+00	0.00E+00	0.00E+00	0.00E+00	1.04E+01	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 3 of 30)

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 4 of 30)

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 5 of 30)

Species	Units	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103	BX-104
106-Ru	Ci	0.00E+00									
113m-Cd	Ci	0.00E+00									
125-Sb	Ci	0.00E+00									
126-Sn	Ci	0.00E+00									
129-I	Ci	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	1.82E-03	3.74E-03
134-Cs	Ci	0.00E+00									
137-Cs	Ci	0.00E+00	1.16E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E+02	0.00E+00	2.44E+03	5.30E+03
137m-Ba	Ci	0.00E+00	1.10E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E+02	0.00E+00	2.30E+03	5.02E+03
14-C	Ci	0.00E+00	2.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-03	0.00E+00	2.07E-02	4.17E-02
151-Sm	Ci	0.00E+00									
152-Eu	Ci	0.00E+00									
154-Eu	Ci	0.00E+00	1.93E+00	0.00E+00							
155-Eu	Ci	0.00E+00									
226-Ra	Ci	0.00E+00									
227-Ac	Ci	0.00E+00									
228-Ra	Ci	0.00E+00									
229-Th	Ci	0.00E+00									
231-Pa	Ci	0.00E+00									
232-Th	Ci	0.00E+00									
232-U	Ci	0.00E+00	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-08	0.00E+00	8.65E-07	0.00E+00
233-U	Ci	0.00E+00	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-08	0.00E+00	3.35E-06	0.00E+00
234-U	Ci	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-05	0.00E+00	2.59E-04	0.00E+00
235-U	Ci	0.00E+00	4.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-06	0.00E+00	1.16E-05	0.00E+00
236-U	Ci	0.00E+00	3.73E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-07	0.00E+00	1.75E-06	0.00E+00
237-Np	Ci	0.00E+00	1.31E-03	0.00E+00							
238-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	0.00E+00	8.06E-03	1.50E-02
238-U	Ci	0.00E+00	9.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.37E-05	0.00E+00	2.62E-04	0.00E+00
239-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-02	0.00E+00	3.39E-01	5.31E-01
240-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-02	0.00E+00	5.99E-02	8.80E-02
241-Am	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-02	0.00E+00	3.42E-01	2.00E-01
241-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-01	0.00E+00	6.46E-01	1.02E+00
242-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	0.00E+00	8.50E-04	5.79E-04
242-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	1.82E-06	5.61E-06
243-Am	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-06	0.00E+00	1.13E-05	7.26E-06
243-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	0.00E+00	6.04E-05	5.32E-05
244-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E-04	0.00E+00	5.21E-04	4.94E-04
3-H	Ci	0.00E+00									
59-Ni	Ci	0.00E+00									
60-Co	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-01	0.00E+00	2.23E+00	1.33E+00
63-Ni	Ci	0.00E+00									
79-Se	Ci	0.00E+00									
90-Sr	Ci	0.00E+00	2.37E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+01	0.00E+00	7.46E+01	7.37E+01
90-Y	Ci	0.00E+00	2.38E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E+01	0.00E+00	7.45E+01	7.35E+01
93-Zr	Ci	0.00E+00									
93m-Nb	Ci	0.00E+00									
99-Tc	Ci	0.00E+00	9.46E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-01	0.00E+00	2.64E+00	4.09E+00
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	1.47E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E+01	0.00E+00	1.17E+02	9.68E+01
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	2.80E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-02	0.00E+00	2.15E-01	2.35E-01
Ca+2	kg	0.00E+00	1.09E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-01	0.00E+00	1.84E+00	6.51E-01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 6 of 30)

Species	Units	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103	BX-104
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ce+3	kg	0.00E+00	1.25E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-20	0.00E+00	7.69E-18	4.48E-04
Cl-	kg	0.00E+00	1.63E+01	0.00E+00	0.00E+00	0.00E+00	2.35E+00	1.18E+01	0.00E+00	7.07E+01	9.55E+01
CN-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
CO3-2	kg	0.00E+00	1.94E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+02	0.00E+00	0.00E+00	1.53E+03
Cr(TOTAL)	kg	0.00E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.06E+00	0.00E+00	3.63E+01	1.01E+02
Cs+	kg	0.00E+00	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-02	0.00E+00	8.11E-02	1.76E-01
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
F-	kg	0.00E+00	2.50E+01	0.00E+00	0.00E+00	0.00E+00	2.48E+01	1.21E+00	0.00E+00	7.24E+00	1.02E+01
Fe+3	kg	0.00E+00	2.59E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-02	0.00E+00	2.01E-01	6.99E-02
H2O	kg	0.00E+00	8.97E+03	0.00E+00	0.00E+00	0.00E+00	3.60E+03	3.24E+03	0.00E+00	2.00E+04	2.95E+04
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
K+	kg	0.00E+00	4.52E+00	0.00E+00	0.00E+00	0.00E+00	2.43E+01	8.67E+00	0.00E+00	5.20E+01	6.85E+01
La+3	kg	0.00E+00	2.81E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mn+4	kg	0.00E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-02	0.00E+00	2.67E-01	0.00E+00
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Na+	kg	0.00E+00	1.40E+03	0.00E+00	0.00E+00	0.00E+00	1.11E+02	5.32E+02	0.00E+00	3.19E+03	4.77E+03
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
NH3	kg	0.00E+00	2.56E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-08	8.40E-01	0.00E+00	4.44E+00	2.50E+02
Ni+2	kg	0.00E+00	2.72E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01	0.00E+00	1.16E+00	3.03E-01
NO2-	kg	0.00E+00	4.00E+02	0.00E+00	0.00E+00	0.00E+00	6.88E+00	2.43E+02	0.00E+00	1.46E+03	2.18E+03
NO3-	kg	0.00E+00	1.95E+03	0.00E+00	0.00E+00	0.00E+00	1.82E+02	4.58E+02	0.00E+00	2.75E+03	4.60E+03
OH(BOUND)	kg	0.00E+00	5.70E+01	0.00E+00	0.00E+00	0.00E+00	1.43E+01	7.95E+01	0.00E+00	1.19E+03	6.53E+02
OH-	kg	0.00E+00	2.53E-05	0.00E+00	0.00E+00	0.00E+00	4.42E-02	8.12E-03	0.00E+00	1.31E-01	9.49E+00
Pb+2	kg	0.00E+00	2.27E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-01	0.00E+00	7.64E-01	0.00E+00
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
PO4-3	kg	0.00E+00	5.30E+02	0.00E+00	0.00E+00	0.00E+00	2.70E+00	1.88E+01	0.00E+00	1.13E+02	1.63E+02
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Si+4	kg	0.00E+00	1.43E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-01	0.00E+00	2.50E+00	2.81E+00
SO4-2	kg	0.00E+00	1.67E+02	0.00E+00	0.00E+00	0.00E+00	3.12E+00	1.48E+01	0.00E+00	0.00E+00	1.34E+02
Sr+2	kg	0.00E+00	3.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-03	0.00E+00	2.53E-02	1.26E-03
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
TOC	kg	0.00E+00	9.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E+01	0.00E+00	1.13E+02	1.09E+02
U(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	2.65E-04	0.00E+00
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zr+4	kg	0.00E+00	1.49E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-02	0.00E+00	7.55E-02	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 7 of 30)

Species	Units	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112	BY-101	BY-102
106-Ru	Ci	0.00E+00	2.14E-05	0.00E+00	0.00E+00						
113m-Cd	Ci	0.00E+00	2.49E-01	0.00E+00	0.00E+00						
125-Sb	Ci	0.00E+00	6.38E-01	0.00E+00	0.00E+00						
126-Sn	Ci	0.00E+00	1.28E-02	0.00E+00	0.00E+00						
129-I	Ci	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	9.95E-03	0.00E+00	0.00E+00						
137-Cs	Ci	2.83E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E+03	0.00E+00	3.64E+05	0.00E+00	0.00E+00
137m-Ba	Ci	2.68E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03	0.00E+00	3.45E+05	0.00E+00	0.00E+00
14-C	Ci	1.15E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.94E-02	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	3.00E+01	0.00E+00	0.00E+00						
152-Eu	Ci	0.00E+00	1.11E-02	0.00E+00	0.00E+00						
154-Eu	Ci	0.00E+00	1.96E+00	0.00E+00	0.00E+00						
155-Eu	Ci	0.00E+00	6.74E-01	0.00E+00	0.00E+00						
226-Ra	Ci	0.00E+00	2.80E-07	0.00E+00	0.00E+00						
227-Ac	Ci	0.00E+00	1.75E-06	0.00E+00	0.00E+00						
228-Ra	Ci	0.00E+00	1.89E-03	0.00E+00	0.00E+00						
229-Th	Ci	0.00E+00	4.36E-05	0.00E+00	0.00E+00						
231-Pa	Ci	0.00E+00	9.31E-06	0.00E+00	0.00E+00						
232-Th	Ci	0.00E+00	2.19E-04	0.00E+00	0.00E+00						
232-U	Ci	1.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-07	0.00E+00	0.00E+00
233-U	Ci	6.12E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-06	0.00E+00	0.00E+00
234-U	Ci	2.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.81E-04	0.00E+00	0.00E+00
235-U	Ci	1.26E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.00E-05	0.00E+00	0.00E+00
236-U	Ci	1.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	2.74E-03	0.00E+00	0.00E+00						
238-Pu	Ci	5.38E-03	0.00E+00								
238-U	Ci	2.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.93E-04	0.00E+00	0.00E+00
239-Pu	Ci	2.88E-01	0.00E+00								
240-Pu	Ci	3.60E-02	0.00E+00								
241-Am	Ci	4.63E-01	0.00E+00								
241-Pu	Ci	3.48E-01	0.00E+00								
242-Cm	Ci	1.29E-03	0.00E+00								
242-Pu	Ci	1.90E-06	0.00E+00								
243-Am	Ci	1.67E-05	0.00E+00								
243-Cm	Ci	1.17E-04	0.00E+00								
244-Cm	Ci	1.05E-03	0.00E+00								
3-H	Ci	0.00E+00	5.68E-01	0.00E+00	0.00E+00						
59-Ni	Ci	0.00E+00	3.00E-03	0.00E+00	0.00E+00						
60-Co	Ci	1.39E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-01	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	3.17E-01	0.00E+00	0.00E+00						
79-Se	Ci	0.00E+00	8.57E-03	0.00E+00	0.00E+00						
90-Sr	Ci	1.81E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	1.81E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	4.25E-02	0.00E+00	0.00E+00						
93m-Nb	Ci	0.00E+00	3.00E-02	0.00E+00	0.00E+00						
99-Tc	Ci	2.15E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-01	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	1.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E+01	0.00E+00	1.82E-01	0.00E+00	2.13E+03
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	2.29E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E+00	0.00E+00	5.55E-01	0.00E+00	0.00E+00
Ca+2	kg	2.72E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-01	0.00E+00	2.09E-03	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 8 of 30)

Species	Units	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112	BY-101	BY-102
Cd+2	kg	0.00E+00									
Ce+3	kg	6.33E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E+01	0.00E+00	1.56E+01	0.00E+00	7.55E+00
Cl-	kg	5.94E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E+01	0.00E+00	5.24E+00	0.00E+00	6.26E+02
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	1.02E+03	0.00E+00	5.17E+02							
Cr(TOTAL)	kg	4.71E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E+01	0.00E+00	1.35E+00	0.00E+00	4.28E+01
Cs+	kg	9.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.52E-02	0.00E+00	1.21E+01	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	6.08E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E+01	0.00E+00	5.13E+00	0.00E+00	0.00E+00
Fe+3	kg	8.26E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-01	0.00E+00	0.00E+00
H2O	kg	1.68E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E+03	0.00E+00	3.55E+03	0.00E+00	2.82E+04
Hg+2	kg	0.00E+00									
K+	kg	4.91E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E+01	0.00E+00	2.73E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00									
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	4.16E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-03	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	2.35E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E+03	0.00E+00	2.96E+02	0.00E+00	1.01E+04
Nd+3	kg	0.00E+00									
NH3	kg	1.87E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+00	0.00E+00	1.14E+01
Ni+2	kg	1.78E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	1.22E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.92E+02	0.00E+00	1.34E+02	0.00E+00	3.35E+03
NO3-	kg	2.22E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.21E+03	0.00E+00	3.74E+02	0.00E+00	7.35E+03
OH(BOUND)	kg	1.43E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E+01	0.00E+00	7.19E+03
OH-	kg	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.94E-03	0.00E+00	1.77E+02
Pb+2	kg	9.71E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	9.86E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01	0.00E+00	6.23E+01	0.00E+00	2.24E+02
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	2.63E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E+00	0.00E+00	1.47E-01	0.00E+00	7.69E+00
SO4-2	kg	7.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+01	0.00E+00	2.73E+01	0.00E+00	4.58E+02
Sr+2	kg	3.27E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-02	0.00E+00	2.09E-03	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	1.78E+02	0.00E+00	7.56E+01							
U(TOTAL)	kg	0.00E+00									
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	9.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-02	0.00E+00	1.68E-02	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 9 of 30)

Species	Units	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109	BY-110	BY-111	BY-112
106-Ru	Ci	0.00E+00									
113m-Cd	Ci	0.00E+00									
125-Sb	Ci	0.00E+00									
126-Sn	Ci	0.00E+00									
129-I	Ci	0.00E+00									
134-Cs	Ci	0.00E+00									
137-Cs	Ci	0.00E+00	0.00E+00	1.15E+05	7.30E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	0.00E+00	0.00E+00	1.09E+05	0.00E+00						
14-C	Ci	0.00E+00									
151-Sm	Ci	0.00E+00									
152-Eu	Ci	0.00E+00									
154-Eu	Ci	0.00E+00									
155-Eu	Ci	0.00E+00									
226-Ra	Ci	0.00E+00									
227-Ac	Ci	0.00E+00									
228-Ra	Ci	0.00E+00									
229-Th	Ci	0.00E+00									
231-Pa	Ci	0.00E+00									
232-Th	Ci	0.00E+00	0.00E+00	4.16E-06	0.00E+00						
232-U	Ci	0.00E+00	0.00E+00	2.14E-04	0.00E+00						
233-U	Ci	0.00E+00	0.00E+00	8.22E-04	0.00E+00						
234-U	Ci	0.00E+00	0.00E+00	2.07E-04	0.00E+00						
235-U	Ci	0.00E+00	0.00E+00	8.82E-06	0.00E+00						
236-U	Ci	0.00E+00	0.00E+00	2.88E-06	0.00E+00						
237-Np	Ci	0.00E+00									
238-Pu	Ci	0.00E+00									
238-U	Ci	0.00E+00	0.00E+00	1.98E-04	0.00E+00						
239-Pu	Ci	0.00E+00									
240-Pu	Ci	0.00E+00									
241-Am	Ci	0.00E+00									
241-Pu	Ci	0.00E+00									
242-Cm	Ci	0.00E+00									
242-Pu	Ci	0.00E+00									
243-Am	Ci	0.00E+00									
243-Cm	Ci	0.00E+00									
244-Cm	Ci	0.00E+00									
3-H	Ci	0.00E+00									
59-Ni	Ci	0.00E+00									
60-Co	Ci	0.00E+00									
63-Ni	Ci	0.00E+00									
79-Se	Ci	0.00E+00									
90-Sr	Ci	0.00E+00	0.00E+00	5.96E+01	3.03E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	0.00E+00	0.00E+00	5.99E+01	0.00E+00						
93-Zr	Ci	0.00E+00									
93m-Nb	Ci	0.00E+00									
99-Tc	Ci	0.00E+00	0.00E+00	4.10E+01	0.00E+00						
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	1.90E+04	1.20E+05	7.13E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	2.91E+01	7.98E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	0.00E+00	2.91E+01	1.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 10 of 30)

Species	Units	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109	BY-110	BY-111	BY-112
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	2.07E+01	2.64E+01	9.65E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-	kg	0.00E+00	0.00E+00	2.38E+03	7.29E+03	1.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	0.00E+00	1.11E+04	4.07E+04	1.24E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	0.00E+00	0.00E+00	6.66E+02	2.61E+03	1.11E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	0.00E+00	0.00E+00	3.82E+00	2.43E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	1.11E+02	7.95E+02	8.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe+3	kg	0.00E+00	0.00E+00	1.93E+01	4.68E-01	2.79E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H2O	kg	0.00E+00	0.00E+00	3.63E+05	1.02E+06	3.49E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	0.00E+00	2.16E+03	7.84E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00									
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	2.91E+00	3.39E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	1.01E+05	3.71E+05	3.37E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00									
Ni+2	kg	0.00E+00	0.00E+00	5.79E+00	1.02E+01	1.11E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	0.00E+00	0.00E+00	3.33E+04	1.14E+05	1.58E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	0.00E+00	0.00E+00	9.62E+04	2.27E+05	1.78E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH(BOUND)	kg	0.00E+00	0.00E+00	4.86E+04	2.35E+05	2.04E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH-	kg	0.00E+00	0.00E+00	1.57E+04	5.62E+04	5.82E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	0.00E+00	0.00E+00	3.70E+01	8.09E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	6.55E+02	7.14E+03	1.41E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	0.00E+00	9.81E+01	2.67E-02	2.66E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	0.00E+00	0.00E+00	1.23E+03	3.82E+03	2.27E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	0.00E+00	2.91E+00	8.90E-01	5.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	0.00E+00	1.17E+03	8.88E+03	3.33E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	0.00E+00	2.91E+00	4.01E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 11 of 30)

Species	Units	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109	C-110
106-Ru	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	0.00E+00	5.49E-02	0.00E+00	4.68E-02	8.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	0.00E+00	0.00E+00	1.71E+04	0.00E+00	6.55E+04	9.05E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	0.00E+00	0.00E+00	1.61E+04	0.00E+00	6.19E+04	8.55E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	0.00E+00	2.83E-01	0.00E+00	4.86E-01	6.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	0.00E+00	4.73E-02	0.00E+00	2.87E-06	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233-U	Ci	0.00E+00	0.00E+00	1.82E-01	0.00E+00	9.60E-08	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234-U	Ci	0.00E+00	0.00E+00	5.22E-01	0.00E+00	5.45E-02	2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235-U	Ci	0.00E+00	0.00E+00	2.23E-02	0.00E+00	2.33E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236-U	Ci	0.00E+00	0.00E+00	9.51E-03	0.00E+00	9.45E-04	1.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	0.00E+00	1.48E-01	0.00E+00	3.65E-01	3.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238-U	Ci	0.00E+00	0.00E+00	5.31E-01	0.00E+00	5.58E-02	2.57E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	0.00E+00	8.95E+00	0.00E+00	2.33E+01	7.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	0.00E+00	1.39E+00	0.00E+00	3.55E+00	1.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	0.00E+00	1.44E-01	0.00E+00	9.85E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	0.00E+00	1.08E+01	0.00E+00	2.65E+01	3.08E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	0.00E+00	1.88E-04	0.00E+00	1.12E-02	3.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	0.00E+00	4.31E-05	0.00E+00	1.01E-04	1.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	0.00E+00	3.35E-06	0.00E+00	9.23E-06	1.76E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	0.00E+00	1.20E-05	0.00E+00	2.64E-04	3.44E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	0.00E+00	8.33E-05	0.00E+00	4.43E-04	6.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	0.00E+00	1.82E+01	0.00E+00	1.19E+00	3.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	0.00E+00	8.80E+02	0.00E+00	7.56E+02	2.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	0.00E+00	0.00E+00	8.81E+02	0.00E+00	7.56E+02	2.36E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	0.00E+00	1.57E+01	0.00E+00	4.46E+01	1.52E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	4.19E+00	0.00E+00	1.56E+00	4.82E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	4.22E+01	0.00E+00	1.75E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	0.00E+00	2.88E+00	0.00E+00	7.18E-01	1.12E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 12 of 30)

Species	Units	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109	C-110
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	2.06E-09	0.00E+00	7.16E-05	1.63E-39	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-	kg	0.00E+00	0.00E+00	1.46E+02	0.00E+00	0.00E+00	4.53E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	0.00E+00	1.06E+04	0.00E+00	0.00E+00	1.09E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	0.00E+00	0.00E+00	2.84E+01	0.00E+00	1.94E+02	8.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	0.00E+00	0.00E+00	5.68E-01	0.00E+00	2.18E+00	3.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	4.20E+02	0.00E+00	0.00E+00	3.05E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe+3	kg	0.00E+00	0.00E+00	1.95E+00	0.00E+00	5.69E-01	8.97E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H2O	kg	0.00E+00	0.00E+00	3.34E+05	0.00E+00	1.72E+05	2.62E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	0.00E+00	1.12E+02	0.00E+00	2.72E+02	9.63E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	1.46E+01	0.00E+00	2.35E+00	1.20E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	1.28E+04	0.00E+00	1.99E+04	1.05E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00	0.00E+00	5.95E+01	0.00E+00	0.00E+00	3.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ni+2	kg	0.00E+00	0.00E+00	2.83E+01	0.00E+00	1.06E+00	5.72E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	0.00E+00	0.00E+00	8.78E+03	0.00E+00	0.00E+00	1.69E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	0.00E+00	0.00E+00	1.55E+03	0.00E+00	5.93E+03	1.28E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH(BOUND)	kg	0.00E+00	0.00E+00	1.35E+04	0.00E+00	1.25E+04	1.35E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH-	kg	0.00E+00	0.00E+00	4.47E+01	0.00E+00	5.67E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E+01	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	1.66E+03	0.00E+00	1.36E+03	4.38E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+01	1.58E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	0.00E+00	0.00E+00	1.16E+03	0.00E+00	0.00E+00	4.93E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	0.00E+00	8.46E+00	0.00E+00	1.30E-02	1.19E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	0.00E+00	2.58E+03	0.00E+00	4.97E+02	2.46E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	0.00E+00	1.04E+02	0.00E+00	6.30E+01	2.63E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 13 of 30)

Species	Units	C-111	C-112	C-201	C-202	C-203	C-204	S-101	S-102	S-103	S-104
106-Ru	Ci	0.00E+00	1.30E-03	6.29E-04	0.00E+00						
113m-Cd	Ci	0.00E+00	1.74E+01	8.72E+00	0.00E+00						
125-Sb	Ci	0.00E+00	3.39E+01	1.61E+01	0.00E+00						
126-Sn	Ci	0.00E+00	1.04E+00	5.36E-01	0.00E+00						
129-I	Ci	0.00E+00	3.74E-01	1.09E-01	0.00E+00						
134-Cs	Ci	0.00E+00	1.89E+00	4.99E-01	0.00E+00						
137-Cs	Ci	0.00E+00	1.15E+05	7.26E+04	0.00E+00						
137m-Ba	Ci	0.00E+00	1.09E+05	6.89E+04	0.00E+00						
14-C	Ci	0.00E+00	8.56E+00	6.02E+00	0.00E+00						
151-Sm	Ci	0.00E+00	2.43E+03	1.25E+03	0.00E+00						
152-Eu	Ci	0.00E+00	8.35E-01	4.00E-01	0.00E+00						
154-Eu	Ci	0.00E+00	1.21E+02	5.99E+01	0.00E+00						
155-Eu	Ci	0.00E+00	4.93E+01	2.35E+01	0.00E+00						
226-Ra	Ci	0.00E+00	3.08E-05	1.60E-05	0.00E+00						
227-Ac	Ci	0.00E+00	1.87E-04	9.84E-05	0.00E+00						
228-Ra	Ci	0.00E+00	2.19E-02	4.77E-03	0.00E+00						
229-Th	Ci	0.00E+00	5.30E-04	1.25E-04	0.00E+00						
231-Pa	Ci	0.00E+00	8.46E-04	4.42E-04	0.00E+00						
232-Th	Ci	0.00E+00	2.41E-03	4.66E-04	0.00E+00						
232-U	Ci	0.00E+00	5.07E-03	1.49E-04	1.16E-04						
233-U	Ci	0.00E+00	1.95E-02	5.71E-04	4.45E-04						
234-U	Ci	0.00E+00	2.47E-02	1.77E-04	1.31E-04						
235-U	Ci	0.00E+00	1.03E-03	7.22E-06	5.32E-06						
236-U	Ci	0.00E+00	6.66E-04	5.52E-06	4.10E-06						
237-Np	Ci	0.00E+00	7.05E-01	2.09E-01	0.00E+00						
238-Pu	Ci	0.00E+00	2.55E-04	2.70E-04	0.00E+00						
238-U	Ci	0.00E+00	2.32E-02	1.62E-04	1.19E-04						
239-Pu	Ci	0.00E+00	9.45E-03	1.06E-02	0.00E+00						
240-Pu	Ci	0.00E+00	1.56E-03	1.73E-03	0.00E+00						
241-Am	Ci	0.00E+00	9.37E-02	2.12E-01	0.00E+00						
241-Pu	Ci	0.00E+00	1.71E-02	1.80E-02	0.00E+00						
242-Cm	Ci	0.00E+00	2.40E-04	5.59E-04	0.00E+00						
242-Pu	Ci	0.00E+00	9.32E-08	9.70E-08	0.00E+00						
243-Am	Ci	0.00E+00	3.23E-06	7.32E-06	0.00E+00						
243-Cm	Ci	0.00E+00	2.19E-05	5.05E-05	0.00E+00						
244-Cm	Ci	0.00E+00	2.18E-04	4.95E-04	0.00E+00						
3-H	Ci	0.00E+00	1.68E+02	5.06E+01	0.00E+00						
59-Ni	Ci	0.00E+00	7.96E-02	6.06E-02	0.00E+00						
60-Co	Ci	0.00E+00	2.43E+00	4.30E+00	0.00E+00						
63-Ni	Ci	0.00E+00	8.33E+00	6.29E+00	0.00E+00						
79-Se	Ci	0.00E+00	6.86E-01	3.53E-01	0.00E+00						
90-Sr	Ci	0.00E+00	1.10E+02	8.39E+01	0.00E+00						
90-Y	Ci	0.00E+00	1.10E+02	8.38E+01	0.00E+00						
93-Zr	Ci	0.00E+00	3.37E+00	1.73E+00	0.00E+00						
93m-Nb	Ci	0.00E+00	2.46E+00	1.27E+00	0.00E+00						
99-Tc	Ci	0.00E+00	1.93E+02	5.63E+01	0.00E+00						
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	8.51E+03	1.40E+04	5.69E+03						
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	1.39E+01	2.68E+01	1.07E+01						
Ca+2	kg	0.00E+00	1.39E+01	2.68E+01	1.07E+01						

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 14 of 30)

Species	Units	C-111	C-112	C-201	C-202	C-203	C-204	S-101	S-102	S-103	S-104
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E+00	4.40E-08	6.58E-08	0.00E+00
Cl-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E+03	3.48E+03	2.37E+03	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	6.70E+03	3.93E+03	0.00E+00						
Cr(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E+02	3.61E+01	4.79E+01	0.00E+00
Cs+	kg	0.00E+00	3.82E+00	2.41E+00	0.00E+00						
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E+01	1.17E+02	4.55E+01	0.00E+00
Fe+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E+00	1.34E+01	5.36E+00	0.00E+00
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E+05	2.15E+05	1.21E+05	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E+02	1.09E+03	6.94E+02	0.00E+00
La+3	kg	0.00E+00	1.34E+01	3.03E-01	0.00E+00						
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+00	2.68E+00	1.07E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.48E+04	7.89E+04	4.06E+04	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E+03	1.35E+03	1.48E+03	0.00E+00
Ni+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E+00	5.49E+00	2.14E+00	0.00E+00
NO2-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E+04	3.81E+04	2.61E+04	0.00E+00
NO3-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E+04	5.32E+04	3.84E+04	0.00E+00
OH(BOUND)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E+04	3.10E+04	1.00E+04	0.00E+00
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E+03	1.26E+04	6.49E+03	0.00E+00
Pb+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+01	2.68E+01	1.07E+01	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E+03	1.65E+03	6.35E+02	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	1.16E+02	1.02E+01	0.00E+00						
SO4-2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E+03	1.54E+03	9.08E+02	0.00E+00
Sr+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+00	2.68E+00	1.43E-03	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	1.41E+03	8.32E+02							
U(TOTAL)	kg	0.00E+00									
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+00	2.68E+00	1.07E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 15 of 30)

Species	Units	S-105	S-106	S-107	S-108	S-109	S-110	S-111	S-112	SX-101	SX-102
106-Ru	Ci	0.00E+00	5.96E-04	2.57E-03	0.00E+00	1.02E-02	0.00E+00	0.00E+00	1.04E-02	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	8.31E+00	3.19E+01	0.00E+00	1.57E+02	0.00E+00	0.00E+00	1.66E+02	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	1.53E+01	5.78E+01	0.00E+00	2.68E+02	0.00E+00	0.00E+00	2.77E+02	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	5.08E-01	1.84E+00	0.00E+00	9.90E+00	0.00E+00	0.00E+00	1.06E+01	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	1.03E-01	1.59E-01	0.00E+00	8.76E-01	0.00E+00	0.00E+00	9.16E-01	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	4.75E-01	1.25E+00	0.00E+00	2.86E+00	0.00E+00	0.00E+00	3.11E+00	0.00E+00	0.00E+00
137-Cs	Ci	0.00E+00	5.38E+04	2.14E+05	0.00E+00	1.06E+05	4.65E+04	2.03E+05	4.91E+05	1.97E+04	4.58E+05
137m-Ba	Ci	0.00E+00	5.08E+04	9.09E+04	0.00E+00	4.91E+05	4.40E+04	1.92E+05	5.38E+05	1.86E+04	4.34E+05
14-C	Ci	0.00E+00	5.71E+00	1.16E+01	0.00E+00	6.37E+01	0.00E+00	0.00E+00	6.69E+01	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	1.18E+03	4.29E+03	0.00E+00	2.30E+04	0.00E+00	0.00E+00	2.46E+04	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	3.77E-01	1.61E+00	0.00E+00	5.83E+00	0.00E+00	0.00E+00	6.10E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	5.70E+01	2.24E+02	0.00E+00	1.04E+03	0.00E+00	5.32E+01	1.09E+03	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	2.24E+01	9.58E+01	0.00E+00	3.35E+02	0.00E+00	0.00E+00	3.51E+02	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	1.51E-05	5.02E-05	0.00E+00	3.01E-04	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	9.40E-05	3.16E-04	0.00E+00	1.82E-03	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	4.54E-03	4.45E-02	0.00E+00	1.11E-01	0.00E+00	0.00E+00	1.18E-01	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	1.18E-04	1.05E-03	0.00E+00	2.64E-03	0.00E+00	0.00E+00	2.81E-03	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	4.20E-04	1.46E-03	0.00E+00	8.08E-03	0.00E+00	0.00E+00	8.64E-03	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	4.41E-04	3.01E-03	0.00E+00	7.51E-03	0.00E+00	0.00E+00	7.93E-03	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	3.34E-03	2.29E-01	0.00E+00	6.76E-01	3.51E-03	2.01E-02	7.11E-01	0.00E+00	9.76E-02
233-U	Ci	0.00E+00	1.28E-02	8.82E-01	0.00E+00	2.59E+00	1.35E-02	7.76E-02	2.72E+00	0.00E+00	3.75E-01
234-U	Ci	0.00E+00	1.92E-02	2.60E-01	0.00E+00	1.57E+00	1.19E-02	5.41E-02	1.71E+00	0.00E+00	1.04E-01
235-U	Ci	0.00E+00	8.08E-04	1.05E-02	0.00E+00	6.51E-02	4.99E-04	2.25E-03	7.05E-02	0.00E+00	4.19E-03
236-U	Ci	0.00E+00	4.88E-04	8.22E-03	0.00E+00	4.51E-02	3.01E-04	1.49E-03	4.83E-02	0.00E+00	3.24E-03
237-Np	Ci	0.00E+00	1.97E-01	2.97E-01	0.00E+00	1.78E+00	0.00E+00	0.00E+00	1.88E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	0.00E+00	5.46E-01	0.00E+00	2.23E+00	0.00E+00	0.00E+00	2.31E+00	0.00E+00	0.00E+00
238-U	Ci	0.00E+00	1.84E-02	3.02E-01	0.00E+00	1.64E+00	1.14E-02	5.11E-02	1.77E+00	0.00E+00	9.41E-02
239-Pu	Ci	0.00E+00	0.00E+00	1.85E+01	0.00E+00	8.21E+01	0.00E+00	0.00E+00	8.70E+01	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	0.00E+00	3.17E+00	0.00E+00	1.35E+01	0.00E+00	0.00E+00	1.42E+01	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	0.00E+00	2.06E+01	0.00E+00	1.06E+02	0.00E+00	0.00E+00	1.13E+02	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	0.00E+00	3.74E+01	0.00E+00	1.47E+02	0.00E+00	0.00E+00	1.54E+02	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	0.00E+00	6.12E-02	0.00E+00	2.10E-01	0.00E+00	0.00E+00	2.17E-01	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	0.00E+00	2.06E-04	0.00E+00	7.98E-04	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	0.00E+00	7.60E-04	0.00E+00	3.05E-03	0.00E+00	0.00E+00	3.15E-03	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	0.00E+00	5.63E-03	0.00E+00	1.88E-02	0.00E+00	0.00E+00	1.93E-02	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	0.00E+00	5.18E-02	0.00E+00	2.08E-01	0.00E+00	0.00E+00	2.13E-01	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	4.79E+01	7.82E+01	0.00E+00	4.90E+02	0.00E+00	0.00E+00	5.23E+02	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	5.76E-02	7.04E-01	0.00E+00	4.02E+00	0.00E+00	0.00E+00	4.27E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	3.56E+00	1.32E+01	0.00E+00	6.51E+01	0.00E+00	0.00E+00	6.75E+01	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	5.99E+00	7.34E+01	0.00E+00	4.16E+02	0.00E+00	0.00E+00	4.43E+02	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	3.36E-01	1.22E+00	0.00E+00	6.53E+00	0.00E+00	0.00E+00	6.97E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	4.50E+03	1.08E+02	0.00E+00	2.76E+05	1.19E+02	2.43E+02	6.11E+03	0.00E+00	2.44E+01
90-Y	Ci	0.00E+00	4.49E+03	4.17E+04	0.00E+00	2.14E+05	1.19E+02	2.43E+02	2.28E+05	0.00E+00	2.45E+01
93-Zr	Ci	0.00E+00	1.64E+00	5.98E+00	0.00E+00	3.19E+01	0.00E+00	0.00E+00	3.39E+01	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	1.21E+00	4.32E+00	0.00E+00	2.36E+01	0.00E+00	0.00E+00	2.52E+01	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	5.34E+01	8.26E+01	0.00E+00	4.54E+02	0.00E+00	0.00E+00	4.76E+02	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	7.07E+03	1.77E+02	0.00E+00	7.45E+03	3.51E+03	1.94E+04	3.39E+04	4.73E+04	4.28E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	1.10E+01	5.49E-01	0.00E+00	7.70E+00	6.83E+00	3.05E+01	2.89E+01	0.00E+00	5.65E+01
Ca+2	kg	0.00E+00	1.10E+01	2.07E-01	0.00E+00	1.68E-01	6.83E+00	3.05E+01	1.55E-01	3.76E+01	5.65E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

HNF-SD-WM-SP-012

Revision 2

Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 16 of 30)

Species	Units	S-105	S-106	S-107	S-108	S-109	S-110	S-111	S-112	SX-101	SX-102
Cd+2	kg	0.00E+00	0.00E+00								
Ce+3	kg	0.00E+00	1.50E-03	8.24E-09	0.00E+00	1.01E+01	9.95E-01	1.10E+00	6.88E+01	1.77E-09	2.70E-02
Cl-	kg	0.00E+00	2.04E+03	5.07E+03	0.00E+00	9.36E+02	8.09E+02	4.59E+03	1.23E+04	1.04E+04	9.58E+03
CN-	kg	0.00E+00	0.00E+00								
Co+3	kg	0.00E+00	0.00E+00								
CO3-2	kg	0.00E+00	2.89E+03	2.57E+04	0.00E+00	2.48E+04	2.12E+03	2.23E+04	3.37E+04	5.03E+03	8.27E+03
Cr(TOTAL)	kg	0.00E+00	1.73E+03	2.15E+03	0.00E+00	3.10E+03	4.87E+02	3.34E+03	9.36E+03	7.56E+03	2.61E+03
Cs+	kg	0.00E+00	1.79E+00	7.11E+00	0.00E+00	3.52E+00	1.55E+00	6.75E+00	1.63E+01	6.55E-01	1.52E+01
Cu+2	kg	0.00E+00	0.00E+00								
F-	kg	0.00E+00	2.57E+01	6.69E+03	0.00E+00	2.83E+02	7.02E+00	8.54E+01	3.38E+03	0.00E+00	7.34E+01
Fe+3	kg	0.00E+00	5.53E+00	9.94E-04	0.00E+00	2.14E-02	3.42E+00	1.53E+01	1.16E-01	0.00E+00	3.43E+01
H2O	kg	0.00E+00	1.16E+05	1.08E+06	0.00E+00	9.90E+05	8.27E+04	5.55E+05	1.31E+06	4.32E+05	6.35E+05
Hg+2	kg	0.00E+00	3.02E-01	4.04E+00	0.00E+00	6.44E+00	0.00E+00	0.00E+00	2.18E+00	0.00E+00	0.00E+00
K+	kg	0.00E+00	3.38E+02	6.32E+02	0.00E+00	2.77E+03	1.90E+02	1.19E+03	2.79E+03	1.58E+03	3.34E+03
La+3	kg	0.00E+00	0.00E+00	1.85E-16	0.00E+00	0.00E+00	3.42E+00	0.00E+00	2.32E-07	0.00E+00	0.00E+00
Li+	kg	0.00E+00	0.00E+00								
Mg+2	kg	0.00E+00	0.00E+00								
Mn+4	kg	0.00E+00	1.10E+00	4.79E-02	0.00E+00	5.45E+01	6.83E-01	3.05E+00	5.80E+02	0.00E+00	1.03E+01
Mo+6	kg	0.00E+00	0.00E+00								
Na+	kg	0.00E+00	4.47E+04	1.36E+05	0.00E+00	2.62E+05	2.41E+04	1.65E+05	4.47E+05	1.51E+05	2.21E+05
Nd+3	kg	0.00E+00	0.00E+00								
NH3	kg	0.00E+00	2.14E+03	4.33E+02	0.00E+00	2.42E+03	1.29E+03	2.55E+03	2.62E+03	3.84E+02	3.31E+03
Ni+2	kg	0.00E+00	2.19E+00	1.71E-02	0.00E+00	2.78E+00	1.36E+00	6.11E+00	5.11E+00	0.00E+00	1.36E+01
NO2-	kg	0.00E+00	2.00E+04	7.54E+04	0.00E+00	1.14E+04	9.76E+03	4.91E+04	1.84E+05	4.88E+04	1.42E+05
NO3-	kg	0.00E+00	4.41E+04	1.41E+05	0.00E+00	5.33E+05	2.46E+04	1.45E+05	5.25E+05	6.56E+04	1.48E+05
OH(BOUND)	kg	0.00E+00	3.78E+03	5.61E+03	0.00E+00	2.16E+04	1.13E+04	2.51E+04	7.28E+04	1.33E+05	5.48E+04
OH-	kg	0.00E+00	1.01E+04	4.63E+02	0.00E+00	1.10E+04	1.04E+03	3.43E+04	2.04E+04	3.04E+04	4.71E+04
Pb+2	kg	0.00E+00	1.10E+01	2.08E-02	0.00E+00	8.29E-01	6.83E+00	3.05E+01	2.64E+00	0.00E+00	5.69E+01
Pd+2	kg	0.00E+00	0.00E+00								
PO4-3	kg	0.00E+00	1.17E+03	8.39E+03	0.00E+00	1.12E+04	2.76E+02	1.94E+03	5.53E+03	3.24E+03	3.28E+03
Pr+3	kg	0.00E+00	0.00E+00								
Pu+4	kg	0.00E+00	0.00E+00								
Rb+	kg	0.00E+00	0.00E+00								
Rh+3	kg	0.00E+00	0.00E+00								
Ru+3	kg	0.00E+00	0.00E+00								
Sb+5	kg	0.00E+00	0.00E+00								
Se+6	kg	0.00E+00	0.00E+00								
Si+4	kg	0.00E+00	3.48E+01	3.98E+00	0.00E+00	6.64E-01	2.73E+01	8.83E+01	5.59E-01	1.19E+02	2.13E+02
SO4-2	kg	0.00E+00	1.05E+03	5.93E+03	0.00E+00	2.00E+04	6.43E+02	3.54E+03	4.18E+04	1.14E+03	3.13E+03
Sr+2	kg	0.00E+00	1.03E+00	1.56E-01	0.00E+00	0.00E+00	6.82E-01	2.70E-03	7.61E-01	0.00E+00	5.65E+00
Ta+5	kg	0.00E+00	0.00E+00								
Tc+7	kg	0.00E+00	0.00E+00								
Te+6	kg	0.00E+00	0.00E+00								
Th+4	kg	0.00E+00	0.00E+00								
Ti+4	kg	0.00E+00	0.00E+00								
Tl+3	kg	0.00E+00	0.00E+00								
TOC	kg	0.00E+00	2.22E+02	3.28E+03	0.00E+00	9.77E+02	7.42E+02	1.05E+03	1.70E+04	2.09E+02	1.42E+03
U(TOTAL)	kg	0.00E+00	0.00E+00								
V+5	kg	0.00E+00	0.00E+00								
W+6	kg	0.00E+00	0.00E+00								
Y+3	kg	0.00E+00	0.00E+00								
Zn+2	kg	0.00E+00	0.00E+00								
Zr+4	kg	0.00E+00	1.10E+00	3.47E-01	0.00E+00	1.41E+01	6.83E-01	3.05E+00	5.31E+01	0.00E+00	5.65E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

HNF-SD-WM-SP-012

Revision 2

Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 17 of 30)

Species	Units	SX-103	SX-104	SX-105	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112
106-Ru	Ci	0.00E+00	3.26E-04	0.00E+00	3.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	1.01E+01	0.00E+00	4.62E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	8.95E+00	0.00E+00	8.96E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	8.57E-01	0.00E+00	2.75E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	7.59E-02	0.00E+00	9.89E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	2.76E-01	0.00E+00	5.01E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	4.68E+05	6.35E+04	4.59E+05	3.41E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	4.43E+05	5.97E+04	4.35E+05	3.22E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	4.68E+00	0.00E+00	2.28E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	1.99E+03	0.00E+00	6.42E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	3.27E-01	0.00E+00	2.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	2.19E+01	0.00E+00	3.21E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	1.76E+02	0.00E+00	1.31E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	3.39E-05	0.00E+00	8.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	2.00E-04	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	2.21E-03	0.00E+00	5.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	5.76E-05	0.00E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	7.84E-04	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	2.16E-04	0.00E+00	6.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	2.02E-02	5.61E-04	3.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233-U	Ci	0.00E+00	7.77E-02	2.15E-03	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234-U	Ci	0.00E+00	2.79E-02	6.81E-04	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235-U	Ci	0.00E+00	1.13E-03	2.79E-05	1.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236-U	Ci	0.00E+00	9.12E-04	2.18E-05	1.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	1.81E-01	0.00E+00	1.87E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	6.21E-04	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238-U	Ci	0.00E+00	2.53E-02	6.22E-04	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	3.05E-02	0.00E+00	3.50E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	4.69E-03	0.00E+00	5.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	1.29E+01	0.00E+00	2.56E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	3.93E-02	0.00E+00	6.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	3.15E-02	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	2.01E-07	0.00E+00	3.79E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	4.41E-04	0.00E+00	8.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	2.56E-03	0.00E+00	6.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	2.44E-02	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	4.92E+01	0.00E+00	4.46E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	2.44E-01	0.00E+00	2.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	7.94E+00	0.00E+00	8.14E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	2.44E+01	0.00E+00	2.21E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	5.61E-01	0.00E+00	1.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	1.23E+02	2.21E+01	1.92E+02	3.08E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	1.23E+02	2.21E+01	1.92E+02	3.08E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	2.69E+00	0.00E+00	8.90E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	2.11E+00	0.00E+00	6.53E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	3.95E+01	0.00E+00	5.12E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	4.33E+04	7.97E+03	4.77E+04	2.10E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	1.52E+01	6.51E+01	4.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	5.90E+01	1.52E+01	6.51E+01	4.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 18 of 30)

Species	Units	SX-103	SX-104	SX-105	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112
Cd+2	kg	0.00E+00									
Ce+3	kg	4.67E+01	9.65E+00	1.60E+01	2.96E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cl-	kg	1.08E+04	1.85E+03	9.75E+03	9.50E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	1.25E+04	5.55E+03	1.53E+04	2.08E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	8.21E+01	2.11E+02	3.66E+02	1.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	1.56E+01	2.11E+00	1.53E+01	1.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	9.92E+01	4.18E+01	1.13E+02	2.53E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Fe+3	kg	0.00E+00	7.57E+00	3.26E+01	2.45E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H2O	kg	6.80E+05	1.38E+05	7.56E+05	5.29E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	4.17E+03	6.46E+02	3.66E+03	3.16E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00	7.57E+00	0.00E+00	2.22E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	1.52E+00	6.51E+00	4.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	2.33E+05	5.59E+04	2.56E+05	1.99E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	3.56E+03	2.75E+03	3.91E+03	3.00E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ni+2	kg	0.00E+00	3.02E+00	1.30E+01	9.73E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	1.56E+05	2.63E+04	1.55E+05	1.07E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	1.56E+05	6.52E+04	1.79E+05	1.71E+05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH(BOUND)	kg	9.88E+04	1.55E+04	1.12E+05	4.47E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH-	kg	4.08E+04	7.65E+03	4.43E+04	2.69E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	5.90E+01	1.52E+01	6.73E+01	4.88E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	3.27E+03	2.85E+03	3.54E+03	2.85E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	1.43E+02	3.22E+01	1.53E+02	6.51E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	1.98E+03	8.73E+02	4.55E+03	5.84E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	1.52E+00	3.28E-03	4.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	2.61E+03	4.74E+02	3.53E+03	3.29E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00									
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	1.52E+00	6.51E+00	4.88E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 19 of 30)

Species	Units	SX-113	SX-114	SX-115	T-101	T-102	T-103	T-104	T-105	T-106	T-107
106-Ru	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.19E+03	0.00E+00	9.22E+00	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E+03	0.00E+00	8.71E+00	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+01	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-02	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-02	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-06	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-12	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-10	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-12	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06	1.32E-07	0.00E+00	0.00E+00
233-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	6.12E-09	0.00E+00	0.00E+00
234-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-02	5.72E-03	0.00E+00	0.00E+00
235-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	2.53E-04	0.00E+00	0.00E+00
236-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	5.69E-05	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-03	0.00E+00	7.04E-03	0.00E+00	0.00E+00	0.00E+00
238-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-02	5.82E-03	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-01	0.00E+00	9.64E-01	0.00E+00	0.00E+00	0.00E+00
240-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-02	0.00E+00	8.75E-02	0.00E+00	0.00E+00	0.00E+00
241-Am	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.05E-01	0.00E+00	4.43E-03	0.00E+00	0.00E+00	0.00E+00
241-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-01	0.00E+00	2.95E-01	0.00E+00	0.00E+00	0.00E+00
242-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.90E-03	0.00E+00	1.24E-05	0.00E+00	0.00E+00	0.00E+00
242-Pu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-06	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00
243-Am	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	0.00E+00	1.05E-07	0.00E+00	0.00E+00	0.00E+00
243-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	7.49E-07	0.00E+00	0.00E+00	0.00E+00
244-Cm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-05	0.00E+00	6.45E-06	0.00E+00	0.00E+00	0.00E+00
3-H	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-02	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-03	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.20E-01	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-03	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E+01	0.00E+00	1.12E+03	0.00E+00	0.00E+00	0.00E+00
90-Y	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E+01	0.00E+00	1.12E+03	0.00E+00	0.00E+00	0.00E+00
93-Zr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-02	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-02	0.00E+00	0.00E+00	0.00E+00
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E+02	3.15E+01	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E+01	3.49E+00	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E+00	6.37E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 20 of 30)

Species	Units	SX-113	SX-114	SX-115	T-101	T-102	T-103	T-104	T-105	T-106	T-107
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	0.00E+00	8.02E+00	1.36E-01	0.00E+00	0.00E+00	1.05E-16	0.00E+00	0.00E+00
Cl-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E+01	0.00E+00	1.78E+02	4.01E+01	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E+03	0.00E+00	5.72E+01	0.00E+00	0.00E+00	0.00E+00
Cr(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E+01	0.00E+00	3.71E+01	1.77E+01	0.00E+00	0.00E+00
Cs+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-01	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E+01	0.00E+00	4.92E+02	5.46E+01	0.00E+00	0.00E+00
Fe+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E+02	1.75E+00	0.00E+00	0.00E+00
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E+04	0.00E+00	1.05E+05	8.17E+04	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-01	0.00E+00	0.00E+00	0.00E+00
K+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E+00	4.73E+01	0.00E+00	0.00E+00
La+3	kg	0.00E+00	1.75E+00	0.00E+00	0.00E+00						
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-01	3.49E-01	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E+03	0.00E+00	6.50E+03	8.21E+03	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00	0.00E+00	0.00E+00	2.54E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ni+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-01	2.72E+00	0.00E+00	0.00E+00
NO2-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+03	0.00E+00	7.14E+02	4.72E+03	0.00E+00	0.00E+00
NO3-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+03	0.00E+00	1.15E+04	3.23E+03	0.00E+00	0.00E+00
OH(BOUND)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E+02	2.77E+03	0.00E+00	0.00E+00
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-01	1.37E-01	0.00E+00	0.00E+00
Pb+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-01	3.49E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E+02	0.00E+00	2.93E+03	4.35E+02	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E+01	3.62E+00	0.00E+00	0.00E+00
SO4-2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E+02	0.00E+00	5.00E+02	1.37E+03	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	1.61E+00	3.49E-01	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E+01	0.00E+00	5.29E+01	0.00E+00	0.00E+00	0.00E+00
U(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.75E-02	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-01	3.49E-01	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 21 of 30)

Species	Units	T-108	T-109	T-110	T-111	T-112	T-201	T-202	T-203	T-204	TX-101
106-Ru	Ci	0.00E+00	0.00E+00	2.73E-12	0.00E+00	4.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113m-Cd	Ci	0.00E+00	0.00E+00	1.69E-03	0.00E+00	7.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	Ci	0.00E+00	0.00E+00	6.24E-05	0.00E+00	8.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	Ci	0.00E+00	0.00E+00	2.59E-04	0.00E+00	9.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129-I	Ci	0.00E+00	0.00E+00	1.07E-05	0.00E+00	3.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134-Cs	Ci	0.00E+00	0.00E+00	1.02E-06	0.00E+00	3.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137-Cs	Ci	0.00E+00	0.00E+00	2.27E-01	0.00E+00	5.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137m-Ba	Ci	0.00E+00	0.00E+00	2.15E-01	0.00E+00	5.38E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14-C	Ci	0.00E+00	0.00E+00	8.34E-04	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151-Sm	Ci	0.00E+00	0.00E+00	6.60E-01	0.00E+00	2.30E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152-Eu	Ci	0.00E+00	0.00E+00	5.00E-06	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154-Eu	Ci	0.00E+00	0.00E+00	9.96E-06	0.00E+00	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155-Eu	Ci	0.00E+00	0.00E+00	1.14E-03	0.00E+00	2.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
226-Ra	Ci	0.00E+00	0.00E+00	7.47E-08	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
227-Ac	Ci	0.00E+00	0.00E+00	3.75E-07	0.00E+00	6.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228-Ra	Ci	0.00E+00	0.00E+00	1.03E-13	0.00E+00	9.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
229-Th	Ci	0.00E+00	0.00E+00	1.98E-11	0.00E+00	1.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
231-Pa	Ci	0.00E+00	0.00E+00	7.84E-07	0.00E+00	1.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-Th	Ci	0.00E+00	0.00E+00	2.58E-13	0.00E+00	8.07E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
232-U	Ci	0.00E+00	0.00E+00	1.43E-08	0.00E+00	1.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
233-U	Ci	0.00E+00	0.00E+00	7.90E-10	0.00E+00	8.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
234-U	Ci	0.00E+00	0.00E+00	1.00E-03	0.00E+00	8.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
235-U	Ci	0.00E+00	0.00E+00	4.50E-05	0.00E+00	3.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
236-U	Ci	0.00E+00	0.00E+00	7.18E-06	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
237-Np	Ci	0.00E+00	0.00E+00	3.45E-05	0.00E+00	1.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
238-Pu	Ci	0.00E+00	0.00E+00	4.95E-05	0.00E+00						
238-U	Ci	0.00E+00	0.00E+00	1.02E-03	0.00E+00	8.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
239-Pu	Ci	0.00E+00	0.00E+00	9.45E-03	0.00E+00						
240-Pu	Ci	0.00E+00	0.00E+00	7.09E-04	0.00E+00						
241-Am	Ci	0.00E+00	0.00E+00	1.78E-04	0.00E+00						
241-Pu	Ci	0.00E+00	0.00E+00	1.61E-03	0.00E+00						
242-Cm	Ci	0.00E+00	0.00E+00	1.42E-06	0.00E+00						
242-Pu	Ci	0.00E+00	0.00E+00	7.03E-09	0.00E+00						
243-Am	Ci	0.00E+00	0.00E+00	1.16E-09	0.00E+00						
243-Cm	Ci	0.00E+00	0.00E+00	2.89E-08	0.00E+00						
244-Cm	Ci	0.00E+00	0.00E+00	2.70E-08	0.00E+00						
3-H	Ci	0.00E+00	0.00E+00	2.65E-03	0.00E+00	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59-Ni	Ci	0.00E+00	0.00E+00	2.22E-04	0.00E+00	7.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60-Co	Ci	0.00E+00	0.00E+00	1.16E-04	0.00E+00	7.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63-Ni	Ci	0.00E+00	0.00E+00	2.08E-02	0.00E+00	7.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79-Se	Ci	0.00E+00	0.00E+00	1.74E-04	0.00E+00	6.24E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90-Sr	Ci	0.00E+00	0.00E+00	3.48E-02	0.00E+00						
90-Y	Ci	0.00E+00	0.00E+00	3.48E-02	0.00E+00						
93-Zr	Ci	0.00E+00	0.00E+00	8.32E-04	0.00E+00	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93m-Nb	Ci	0.00E+00	0.00E+00	7.18E-04	0.00E+00	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99-Tc	Ci	0.00E+00	0.00E+00	5.75E-03	0.00E+00						
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	6.10E-01	0.00E+00	1.17E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	0.00E+00	6.10E-01	0.00E+00	5.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 22 of 30)

Species	Units	T-108	T-109	T-110	T-111	T-112	T-201	T-202	T-203	T-204	TX-101
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00									
Cl-	kg	0.00E+00	0.00E+00	5.84E+01	0.00E+00	1.35E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	0.00E+00	2.90E+01	0.00E+00						
Cr(TOTAL)	kg	0.00E+00	0.00E+00	1.19E+01	0.00E+00	1.83E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cs+	kg	0.00E+00	0.00E+00	7.55E-06	0.00E+00	1.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	2.57E+02	0.00E+00						
Fe+3	kg	0.00E+00	0.00E+00	6.01E+00	0.00E+00	2.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H2O	kg	0.00E+00	0.00E+00	6.03E+04	0.00E+00	2.51E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	0.00E+00	1.99E+01	0.00E+00	1.60E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	2.26E+03	0.00E+00	1.52E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00									
Ni+2	kg	0.00E+00	0.00E+00	5.12E+00	0.00E+00	6.33E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO2-	kg	0.00E+00	0.00E+00	3.60E+00	0.00E+00	1.03E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NO3-	kg	0.00E+00	0.00E+00	1.12E+03	0.00E+00	6.17E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH(BOUND)	kg	0.00E+00	0.00E+00	4.49E+02	0.00E+00	4.87E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
OH-	kg	0.00E+00	0.00E+00	3.26E+00	0.00E+00	5.06E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	1.04E+03	0.00E+00	5.30E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	0.00E+00	3.93E+00	0.00E+00	2.68E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SO4-2	kg	0.00E+00	0.00E+00	2.91E+02	0.00E+00	2.52E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sr+2	kg	0.00E+00	0.00E+00	5.96E-07	0.00E+00	5.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	0.00E+00	2.74E+00	0.00E+00						
U(TOTAL)	kg	0.00E+00									
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00									

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 23 of 30)

Species	Units	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107	TX-108	TX-109	TX-110	TX-111
106-Ru	Ci	0.00E+00									
113m-Cd	Ci	0.00E+00									
125-Sb	Ci	0.00E+00									
126-Sn	Ci	0.00E+00									
129-I	Ci	0.00E+00									
134-Cs	Ci	0.00E+00									
137-Cs	Ci	0.00E+00									
137m-Ba	Ci	0.00E+00									
14-C	Ci	0.00E+00									
151-Sm	Ci	0.00E+00									
152-Eu	Ci	0.00E+00									
154-Eu	Ci	0.00E+00									
155-Eu	Ci	0.00E+00									
226-Ra	Ci	0.00E+00									
227-Ac	Ci	0.00E+00									
228-Ra	Ci	0.00E+00									
229-Th	Ci	0.00E+00									
231-Pa	Ci	0.00E+00									
232-Th	Ci	0.00E+00									
232-U	Ci	0.00E+00	0.00E+00	1.21E-04	0.00E+00						
233-U	Ci	0.00E+00	0.00E+00	4.64E-04	0.00E+00						
234-U	Ci	0.00E+00	0.00E+00	7.81E-03	0.00E+00						
235-U	Ci	0.00E+00	0.00E+00	3.50E-04	0.00E+00						
236-U	Ci	0.00E+00	0.00E+00	5.26E-05	0.00E+00						
237-Np	Ci	0.00E+00									
238-Pu	Ci	0.00E+00									
238-U	Ci	0.00E+00	0.00E+00	7.90E-03	0.00E+00						
239-Pu	Ci	0.00E+00									
240-Pu	Ci	0.00E+00									
241-Am	Ci	0.00E+00									
241-Pu	Ci	0.00E+00									
242-Cm	Ci	0.00E+00									
242-Pu	Ci	0.00E+00									
243-Am	Ci	0.00E+00									
243-Cm	Ci	0.00E+00									
244-Cm	Ci	0.00E+00									
3-H	Ci	0.00E+00									
59-Ni	Ci	0.00E+00									
60-Co	Ci	0.00E+00									
63-Ni	Ci	0.00E+00									
79-Se	Ci	0.00E+00									
90-Sr	Ci	0.00E+00									
90-Y	Ci	0.00E+00									
93-Zr	Ci	0.00E+00									
93m-Nb	Ci	0.00E+00									
99-Tc	Ci	0.00E+00									
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	2.52E+02	0.00E+00						
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	4.75E+00	0.00E+00						
Ca+2	kg	0.00E+00	0.00E+00	4.87E+00	0.00E+00						

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 24 of 30)

Species	Units	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107	TX-108	TX-109	TX-110	TX-111
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	0.00E+00	6.58E-08	0.00E+00						
Cl-	kg	0.00E+00	0.00E+00	7.88E+02	0.00E+00						
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	0.00E+00	4.94E+03	0.00E+00						
Cr(TOTAL)	kg	0.00E+00	0.00E+00	2.81E+02	0.00E+00						
Cs+	kg	0.00E+00									
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	0.00E+00	1.07E+01	0.00E+00						
Fe+3	kg	0.00E+00	0.00E+00	6.75E+00	0.00E+00						
H2O	kg	0.00E+00	0.00E+00	5.55E+04	0.00E+00						
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00	0.00E+00	2.25E+02	0.00E+00						
La+3	kg	0.00E+00	0.00E+00	2.38E+00	0.00E+00						
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	2.50E+00	0.00E+00						
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00	0.00E+00	1.62E+04	0.00E+00						
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00	0.00E+00	2.44E+02	0.00E+00						
Ni+2	kg	0.00E+00	0.00E+00	9.48E-01	0.00E+00						
NO2-	kg	0.00E+00	0.00E+00	7.44E+03	0.00E+00						
NO3-	kg	0.00E+00	0.00E+00	2.80E+04	0.00E+00						
OH(BOUND)	kg	0.00E+00									
OH-	kg	0.00E+00									
Pb+2	kg	0.00E+00	0.00E+00	4.75E+00	0.00E+00						
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00	0.00E+00	4.47E+02	0.00E+00						
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00	0.00E+00	5.72E+00	0.00E+00						
SO4-2	kg	0.00E+00	0.00E+00	3.39E+02	0.00E+00						
Sr+2	kg	0.00E+00	0.00E+00	4.75E-01	0.00E+00						
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	0.00E+00	1.07E+02	0.00E+00						
U(TOTAL)	kg	0.00E+00	0.00E+00	7.80E-03	0.00E+00						
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00	0.00E+00	4.86E-01	0.00E+00						

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 25 of 30)

Species	Units	TX-112	TX-113	TX-114	TX-115	TX-116	TX-117	TX-118	TY-101	TY-102	TY-103
106-Ru	Ci	0.00E+00									
113m-Cd	Ci	0.00E+00									
125-Sb	Ci	0.00E+00									
126-Sn	Ci	0.00E+00									
129-I	Ci	0.00E+00									
134-Cs	Ci	0.00E+00									
137-Cs	Ci	0.00E+00	3.04E+01								
137m-Ba	Ci	0.00E+00	2.88E+01								
14-C	Ci	0.00E+00									
151-Sm	Ci	0.00E+00									
152-Eu	Ci	0.00E+00									
154-Eu	Ci	0.00E+00									
155-Eu	Ci	0.00E+00									
226-Ra	Ci	0.00E+00									
227-Ac	Ci	0.00E+00									
228-Ra	Ci	0.00E+00									
229-Th	Ci	0.00E+00									
231-Pa	Ci	0.00E+00									
232-Th	Ci	0.00E+00									
232-U	Ci	0.00E+00	4.79E-06								
233-U	Ci	0.00E+00	1.83E-05								
234-U	Ci	0.00E+00	2.44E-04								
235-U	Ci	0.00E+00	1.08E-05								
236-U	Ci	0.00E+00	2.58E-06								
237-Np	Ci	0.00E+00									
238-Pu	Ci	0.00E+00	1.27E-04								
238-U	Ci	0.00E+00	2.48E-04								
239-Pu	Ci	0.00E+00	1.15E-02								
240-Pu	Ci	0.00E+00	1.23E-03								
241-Am	Ci	0.00E+00	2.74E-01								
241-Pu	Ci	0.00E+00	6.63E-03								
242-Cm	Ci	0.00E+00	7.90E-04								
242-Pu	Ci	0.00E+00	3.30E-08								
243-Am	Ci	0.00E+00	9.19E-06								
243-Cm	Ci	0.00E+00	6.14E-05								
244-Cm	Ci	0.00E+00	6.13E-04								
3-H	Ci	0.00E+00									
59-Ni	Ci	0.00E+00									
60-Co	Ci	0.00E+00	1.16E-01								
63-Ni	Ci	0.00E+00									
79-Se	Ci	0.00E+00									
90-Sr	Ci	0.00E+00									
90-Y	Ci	0.00E+00									
93-Zr	Ci	0.00E+00									
93m-Nb	Ci	0.00E+00									
99-Tc	Ci	0.00E+00	3.09E-01								
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00									
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00									
Ca+2	kg	0.00E+00									

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 26 of 30)

Species	Units	TX-112	TX-113	TX-114	TX-115	TX-116	TX-117	TX-118	TY-101	TY-102	TY-103
Cd+2	kg	0.00E+00									
Ce+3	kg	0.00E+00	2.79E+00								
Cl-	kg	0.00E+00	3.88E+01								
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	0.00E+00	7.70E+01								
Cr(TOTAL)	kg	0.00E+00									
Cs+	kg	0.00E+00	1.01E-03								
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	9.75E+00								
Fe+3	kg	0.00E+00									
H2O	kg	0.00E+00	1.85E+04								
Hg+2	kg	0.00E+00									
K+	kg	0.00E+00									
La+3	kg	0.00E+00									
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00									
Mo+6	kg	0.00E+00									
Na+	kg	0.00E+00									
Nd+3	kg	0.00E+00									
NH3	kg	0.00E+00	2.38E+02								
Ni+2	kg	0.00E+00									
NO2-	kg	0.00E+00	2.69E+02								
NO3-	kg	0.00E+00	4.30E+03								
OH(BOUND)	kg	0.00E+00									
OH-	kg	0.00E+00									
Pb+2	kg	0.00E+00									
Pd+2	kg	0.00E+00									
PO4-3	kg	0.00E+00									
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	0.00E+00									
SO4-2	kg	0.00E+00	2.06E+02								
Sr+2	kg	0.00E+00									
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	0.00E+00	3.70E+01								
U(TOTAL)	kg	0.00E+00									
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	0.00E+00									

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 27 of 30)

Species	Units	TY-104	TY-105	TY-106	U-101	U-102	U-103	U-104	U-105	U-106	U-107
106-Ru	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-05	0.00E+00	8.43E-04	0.00E+00	5.49E-03
113m-Cd	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-01	0.00E+00	1.14E+01	0.00E+00	7.40E+01
125-Sb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-01	0.00E+00	2.21E+01	0.00E+00	1.45E+02
126-Sn	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-02	0.00E+00	6.75E-01	0.00E+00	4.40E+00
129-I	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.67E-03	0.00E+00	2.44E-01	0.00E+00	1.59E+00
134-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-02	0.00E+00	1.23E+00	0.00E+00	8.04E+00
137-Cs	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E+05	4.14E+03	0.00E+00	1.30E+05	0.00E+00	2.96E+05
137m-Ba	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E+05	3.91E+03	0.00E+00	1.23E+05	0.00E+00	2.80E+05
14-C	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-01	0.00E+00	5.57E+00	0.00E+00	3.64E+01
151-Sm	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E+01	0.00E+00	1.58E+03	0.00E+00	1.03E+04
152-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-02	0.00E+00	5.43E-01	0.00E+00	3.55E+00
154-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E+00	0.00E+00	7.91E+01	0.00E+00	7.61E+01
155-Eu	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E+00	0.00E+00	3.22E+01	0.00E+00	2.10E+02
226-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-07	0.00E+00	2.00E-05	0.00E+00	1.30E-04
227-Ac	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-06	0.00E+00	1.22E-04	0.00E+00	7.96E-04
228-Ra	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-04	0.00E+00	1.43E-02	0.00E+00	9.24E-02
229-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	0.00E+00	3.45E-04	0.00E+00	2.25E-03
231-Pa	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	5.48E-04	0.00E+00	3.58E-03
232-Th	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-05	0.00E+00	1.58E-03	0.00E+00	1.02E-02
232-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-07	0.00E+00	1.80E-05	2.33E-03	1.67E-02
233-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-07	0.00E+00	6.93E-05	8.90E-03	6.39E-02
234-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-06	0.00E+00	2.24E-04	4.05E-02	8.75E-02
235-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-07	0.00E+00	9.94E-06	1.81E-03	3.67E-03
236-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-08	0.00E+00	1.89E-06	3.22E-04	2.10E-03
237-Np	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-02	0.00E+00	4.60E-01	0.00E+00	3.00E+00
238-Pu	Ci	0.00E+00	9.45E-03	0.00E+00	0.00E+00						
238-U	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	0.00E+00	2.24E-04	4.07E-02	8.37E-02
239-Pu	Ci	0.00E+00	3.24E-01	0.00E+00	0.00E+00						
240-Pu	Ci	0.00E+00	5.47E-02	0.00E+00	0.00E+00						
241-Am	Ci	0.00E+00	1.25E+01	0.00E+00	0.00E+00						
241-Pu	Ci	0.00E+00	6.39E-01	0.00E+00	0.00E+00						
242-Cm	Ci	0.00E+00	3.34E-02	0.00E+00	0.00E+00						
242-Pu	Ci	0.00E+00	3.52E-06	0.00E+00	0.00E+00						
243-Am	Ci	0.00E+00	4.45E-04	0.00E+00	0.00E+00						
243-Cm	Ci	0.00E+00	3.09E-03	0.00E+00	0.00E+00						
244-Cm	Ci	0.00E+00	3.02E-02	0.00E+00	0.00E+00						
3-H	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E+00	0.00E+00	1.09E+02	0.00E+00	7.14E+02
59-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	5.17E-02	0.00E+00	3.36E-01
60-Co	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-01	0.00E+00	2.22E+01	0.00E+00	1.35E+01
63-Ni	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-01	0.00E+00	5.43E+00	0.00E+00	3.54E+01
79-Se	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-02	0.00E+00	4.47E-01	0.00E+00	2.91E+00
90-Sr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+03	8.77E+01	0.00E+00	6.02E+03	0.00E+00
90-Y	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E+03	8.76E+01	0.00E+00	6.04E+03	0.00E+00
93-Zr	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-02	0.00E+00	2.19E+00	0.00E+00	1.43E+01
93m-Nb	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.74E-02	0.00E+00	1.61E+00	0.00E+00	1.04E+01
99-Tc	Ci	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E+00	0.00E+00	1.26E+02	0.00E+00	8.21E+02
Ag+	kg	0.00E+00									
Al+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E+03	2.39E+02	0.00E+00	6.25E+03	2.75E+03
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	0.00E+00									
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-01	0.00E+00	1.26E+01	0.00E+00	0.00E+00
Ca+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E+02	1.42E+00	0.00E+00	4.33E+01	8.81E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-3. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Liquid Fraction) (Sheet 28 of 30)



Species	Units	TY-104	TY-105	TY-106	U-101	U-102	U-103	U-104	U-105	U-106	U-107
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E+01	1.41E-04	0.00E+00	0.00E+00	1.23E-16	1.06E+01
Cl-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E+03	8.03E+01	0.00E+00	1.87E+03	1.24E+03	7.01E+03
CN-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO3-2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E+04	1.27E+02	0.00E+00	5.85E+03	1.13E+04	2.06E+04
Cr(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E+02	1.40E+00	0.00E+00	4.23E+01	9.58E+01	4.48E+02
Cs+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E+00	1.38E-01	0.00E+00	4.34E+00	0.00E+00	9.84E+00
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
F-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E+01	0.00E+00	2.74E+02	1.47E+01	1.30E+02
Fe+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E+00	2.06E-01	0.00E+00	6.51E+00	1.22E+01	2.94E+01
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E+05	7.00E+05	0.00E+00	6.11E+05	1.62E+05	5.34E+05
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E+03	3.19E+01	0.00E+00	8.35E+02	4.41E+02	2.55E+03
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-01	0.00E+00	6.33E+00	1.22E+01	3.55E+00
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+00	4.12E-02	0.00E+00	1.28E+00	4.36E+00	1.01E+01
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Na+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E+04	1.65E+03	0.00E+00	4.77E+04	5.13E+04	1.72E+05
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NH3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E+03	2.67E+03	0.00E+00	2.63E+03	1.45E+03	1.96E+03
Ni+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E+01	1.32E+00	0.00E+00	5.20E+01	1.21E+02	1.34E+01
NO2-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E+04	1.02E+03	0.00E+00	2.26E+04	2.26E+04	8.66E+04
NO3-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E+04	1.45E+03	0.00E+00	3.81E+04	5.69E+04	1.77E+05
OH(BOUND)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E+02	0.00E+00	2.10E+04	6.33E+03	5.00E+04
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.18E+03	2.16E+02	0.00E+00	6.43E+02	1.46E+02	1.74E+04
Pb+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+01	4.14E-01	0.00E+00	1.26E+01	4.49E+01	5.01E+01
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PO4-3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E+03	2.53E+01	0.00E+00	8.23E+02	9.02E+02	2.68E+03
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Si+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E+01	7.72E-01	0.00E+00	7.03E+00	1.22E+01	1.40E+02
SO4-2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E+03	2.82E+01	0.00E+00	1.68E+03	1.98E+03	5.17E+03
Sr+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.00E-02	0.00E+00	1.20E+00	2.44E+00	5.53E-03
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOC	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E+03	9.06E+01	0.00E+00	3.45E+03	1.07E+04	3.00E+03
U(TOTAL)	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E+00	4.12E-02	0.00E+00	1.26E+00	2.44E+00	0.00E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 1 of 30)

Species	Units	A-101	A-102	A-103	A-104	A-105	A-106	AX-101	AX-102	AX-103	AX-104
106-Ru	Ci	2.56E-02	3.09E-02	1.08E-02	1.33E-03	7.23E-02	2.92E-01	2.29E-02	1.41E+00	2.29E-02	1.01E-02
113m-Cd	Ci	3.08E+02	4.90E+01	1.29E+02	1.53E+01	4.86E+02	3.86E+02	0.00E+00	2.62E+02	1.47E+02	5.81E+01
125-Sb	Ci	6.52E+02	3.00E+01	2.74E+02	5.00E+02	5.13E+02	7.36E+01	0.00E+00	5.43E+03	2.94E+02	3.90E+00
126-Sn	Ci	1.80E+01	6.95E+00	7.94E+00	8.71E+00	3.83E+01	6.84E+01	1.52E+00	1.90E+01	1.09E+01	4.60E+00
129-I	Ci	1.68E+00	9.62E-03	3.65E-02	1.60E-02	7.20E-02	1.89E-01	3.58E-02	5.37E-02	1.12E-02	8.65E-03
134-Cs	Ci	1.26E+01	6.81E-01	5.33E+00	5.31E+00	1.72E+00	2.32E+00	0.00E+00	3.84E-01	1.60E+00	2.07E-01
137-Cs	Ci	2.57E+05	2.97E+04	3.19E+05	7.80E+04	1.87E+05	9.22E+04	2.70E+05	4.62E+04	1.34E+05	6.36E+04
137m-Ba	Ci	2.42E+05	2.81E+04	3.02E+05	7.37E+04	1.77E+05	8.71E+04	2.59E+05	4.37E+04	1.27E+05	6.02E+04
14-C	Ci	1.15E+02	2.84E-01	4.86E+00	1.18E+00	5.26E+00	1.32E+01	4.77E+00	3.80E+00	1.52E+00	6.28E-01
151-Sm	Ci	4.18E+04	1.62E+04	1.85E+04	2.05E+04	9.18E+04	1.59E+05	3.63E+03	3.47E+04	2.60E+04	1.10E+04
152-Eu	Ci	1.61E+01	4.29E+00	7.18E+00	7.85E+00	2.80E+01	4.22E+01	0.00E+00	5.00E+01	8.21E+00	3.36E+00
154-Eu	Ci	4.54E+02	1.85E+02	9.45E+02	2.89E+03	8.94E+03	1.06E+03	4.51E+02	6.10E+01	4.45E+03	1.99E+03
155-Eu	Ci	9.63E+02	2.62E+02	4.35E+02	5.12E+02	2.09E+03	2.61E+03	1.42E+03	1.85E+03	5.91E+02	2.14E+03
226-Ra	Ci	5.25E-04	4.84E-04	2.57E-04	7.65E-04	1.63E-03	5.11E-03	3.51E-04	5.33E-04	4.36E-04	1.96E-04
227-Ac	Ci	3.17E-03	2.52E-03	1.51E-03	3.99E-03	8.83E-03	2.65E-02	1.69E-03	2.55E-03	2.38E-03	1.06E-03
228-Ra	Ci	1.11E+00	5.29E-02	4.94E-01	8.47E-05	1.48E-08	8.40E-02	0.00E+00	2.48E-02	1.14E-01	1.77E-09
229-Th	Ci	2.57E-02	1.23E-03	1.14E-02	3.94E-05	2.32E-06	1.98E-03	0.00E+00	5.79E-04	2.66E-03	2.77E-07
231-Pa	Ci	1.37E-02	4.16E-03	5.86E-03	5.48E-03	1.98E-02	4.03E-02	4.82E-05	4.43E-04	6.05E-03	2.38E-03
232-Th	Ci	1.18E-01	5.71E-03	5.34E-02	9.15E-06	1.33E-09	8.27E-03	0.00E+00	2.52E-03	1.23E-02	1.60E-10
232-U	Ci	5.22E-01	3.51E+00	1.65E+00	5.37E-03	9.87E-08	2.48E-01	4.71E-01	1.18E-01	1.58E-01	4.67E-06
233-U	Ci	2.00E+00	1.35E+01	6.31E+00	2.08E-02	2.33E-09	9.54E-01	1.80E+00	4.51E-01	6.07E-01	1.10E-07
234-U	Ci	3.39E-01	2.15E+00	1.01E+00	1.67E-02	1.22E-03	2.18E-01	2.89E-01	9.31E-02	1.03E-01	5.75E-02
235-U	Ci	1.35E-02	8.52E-02	3.98E-02	6.92E-04	5.08E-05	8.75E-03	1.15E-02	3.72E-03	4.09E-03	2.40E-03
236-U	Ci	1.09E-02	6.99E-02	3.25E-02	4.58E-04	3.32E-05	6.99E-03	9.32E-03	3.03E-03	3.30E-03	1.57E-03
237-Np	Ci	3.03E+00	1.35E-01	1.26E+00	2.62E-02	7.97E-02	3.41E-01	0.00E+00	9.66E-02	3.20E-01	9.52E-03
238-Pu	Ci	1.99E+00	1.55E+01	7.17E+00	1.37E+01	3.12E+01	4.52E+01	1.25E+01	1.90E+01	3.77E+00	1.10E+01
238-U	Ci	3.02E-01	1.91E+00	8.94E-01	1.61E-02	1.18E-03	1.97E-01	2.58E-01	8.30E-02	9.18E-02	5.61E-02
239-Pu	Ci	7.09E+01	4.18E+02	2.38E+02	7.27E+02	8.02E+02	1.22E+03	3.47E+02	1.96E+02	9.95E+01	2.86E+02
240-Pu	Ci	1.20E+01	7.75E+01	4.12E+01	1.13E+02	1.54E+02	2.26E+02	6.40E+01	5.81E+01	1.88E+01	5.47E+01
241-Am	Ci	7.76E+01	2.98E+02	2.36E+02	1.75E+02	8.48E+02	1.73E+03	3.84E+02	3.29E+03	1.08E+03	9.64E+02
241-Pu	Ci	1.38E+02	1.09E+03	4.99E+02	9.99E+02	2.22E+03	3.21E+03	8.84E+02	7.41E+02	2.67E+02	7.86E+02
242-Cm	Ci	2.10E-01	2.77E-01	5.59E-01	1.87E-01	7.74E-01	1.52E+00	4.70E-01	4.50E+00	1.14E+00	8.83E-01
242-Pu	Ci	7.33E-04	6.45E-03	2.72E-03	4.35E-03	1.28E-02	1.89E-02	5.12E-03	1.04E-02	1.54E-03	4.54E-03
243-Am	Ci	2.85E-03	1.54E-02	8.17E-03	3.81E-03	2.59E-02	8.65E-02	1.76E-02	3.63E-01	3.39E-02	2.97E-02
243-Cm	Ci	1.92E-02	2.50E-02	4.98E-02	1.03E-02	5.94E-02	1.32E-01	4.20E-02	5.47E-01	9.19E-02	6.76E-02
244-Cm	Ci	1.56E-01	8.98E-01	4.00E-01	8.06E-02	1.83E+00	4.96E+00	1.05E+00	2.18E+01	2.33E+00	2.08E+00
3-H	Ci	7.32E+02	3.30E+01	3.00E+02	6.06E-01	2.82E+01	8.65E+01	0.00E+00	2.27E+01	7.98E+01	3.38E+00
59-Ni	Ci	6.71E+00	6.72E+00	3.43E+00	1.11E+01	2.44E+01	7.17E+01	5.03E+00	3.09E+00	6.40E+00	2.92E+00
60-Co	Ci	1.58E+02	8.60E+01	4.87E+01	4.95E+02	7.24E+00	1.63E+01	8.18E+01	4.27E+02	2.53E+02	3.40E+02
63-Ni	Ci	7.03E+02	7.03E+02	3.60E+02	1.16E+03	2.61E+03	7.52E+03	5.24E+02	3.41E+02	6.85E+02	3.14E+02
79-Se	Ci	1.19E+01	4.35E+00	5.22E+00	5.34E+00	2.46E+01	4.25E+01	8.01E-01	1.20E+01	7.04E+00	5.00E-02
90-Sr	Ci	1.51E+05	1.27E+05	1.60E+05	2.95E+06	5.10E+06	7.13E+05	1.36E+05	3.12E+05	5.85E+05	2.65E+06
90-Y	Ci	1.52E+05	1.27E+05	1.60E+05	2.94E+06	5.10E+06	7.13E+05	1.37E+05	3.13E+05	5.88E+05	2.65E+06
93-Zr	Ci	5.80E+01	1.91E+01	2.54E+01	2.24E+01	1.13E+02	1.84E+02	1.39E+00	5.23E+01	3.27E+01	1.36E+01
93m-Nb	Ci	4.24E+01	1.61E+01	1.86E+01	2.03E+01	8.48E+01	1.58E+02	3.45E+00	3.48E+01	2.44E+01	1.02E+01
99-Tc	Ci	8.70E+02	2.48E+01	2.17E+02	8.31E+00	3.71E+01	9.71E+01	2.15E+02	2.78E+01	1.73E+02	9.51E+01
Ag+	kg	0.00E+00	1.74E-06	4.96E-07	6.13E-25	1.10E-07	1.60E-15	7.00E-17	1.23E-23	8.99E-08	2.47E-07
Al+3	kg	3.31E+04	7.02E+03	3.09E+04	8.06E+03	1.14E+04	1.67E+04	2.74E+04	3.26E+03	1.70E+04	2.70E+03
As+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
B+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ba+2	kg	7.00E+01	9.76E+00	1.20E+01	1.87E+01	1.96E-01	3.80E+01	1.44E+01	1.92E+00	1.04E-02	2.50E+01
Be+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Bi+3	kg	0.00E+00	2.65E+02	1.67E+02	0.00E+00	0.00E+00	1.34E+02	0.00E+00	2.13E+01	5.08E+01	0.00E+00
Ca+2	kg	6.41E+02	4.19E+02	3.23E+03	1.74E+03	2.15E+03	3.87E+03	5.86E+02	3.40E+02	3.94E+02	6.19E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 2 of 30)

Species	Units	A-101	A-102	A-103	A-104	A-105	A-106	AX-101	AX-102	AX-103	AX-104
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ce+3	kg	0.00E+00	1.53E+03	5.56E+01	9.31E-22	1.06E-03	3.29E-06	8.65E-09	4.68E-20	1.77E+02	1.85E+00
Cl-	kg	3.69E+03	2.03E+03	1.02E+04	5.88E+01	1.65E+02	5.85E+03	4.18E+03	1.24E+02	3.30E+03	1.60E+01
CN-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
CO3-2	kg	1.37E+05	5.54E+03	3.81E+04	1.47E+03	3.22E+03	1.59E+04	1.21E+05	1.14E+04	4.27E+04	3.86E+02
Cr(TOTAL)	kg	5.29E+03	1.86E+03	2.85E+03	7.67E+01	7.47E+01	3.71E+03	3.26E+03	1.37E+02	2.57E+03	2.95E+01
Cs+	kg	8.56E+00	9.87E-01	1.06E+01	2.59E+00	6.22E+00	3.05E+00	8.97E+00	1.54E+00	4.45E+00	2.11E+00
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
F-	kg	1.35E+03	7.31E+01	1.57E+03	6.28E-01	0.00E+00	2.03E+02	1.22E+03	3.42E+01	6.89E+02	5.16E+00
Fe+3	kg	1.31E+03	4.29E+03	1.54E+03	2.95E+04	2.65E+04	1.93E+04	3.31E+03	4.05E+03	4.71E+03	1.39E+04
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
K+	kg	8.99E+03	7.53E+02	4.73E+03	2.58E+01	3.96E+01	1.65E+03	3.82E+03	1.95E+02	2.06E+03	8.84E+01
La+3	kg	9.78E+00	2.70E+01	0.00E+00	0.00E+00	0.00E+00	7.55E+01	0.00E+00	0.00E+00	9.77E+01	7.51E+01
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mn+4	kg	9.61E+01	7.06E+02	1.80E+02	4.13E+03	8.96E+02	1.04E+03	4.78E+01	3.69E+02	6.36E+02	2.40E+02
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Na+	kg	3.99E+05	4.03E+04	3.91E+05	1.34E+04	7.60E+04	8.94E+04	3.48E+05	2.87E+04	1.27E+05	2.20E+03
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
NH3	kg	3.27E+01	1.55E+02	3.89E+01	3.61E+02	3.30E+02	8.93E+02	2.00E+02	1.63E+02	5.43E+02	1.22E+02
Ni+2	kg	1.83E+02	1.20E+02	2.38E+02	8.56E+02	7.54E+02	4.58E+02	1.15E+02	2.11E+02	2.83E+02	4.33E+02
NO2-	kg	1.11E+05	2.19E+04	1.40E+05	3.08E+03	5.96E+03	6.10E+04	1.20E+05	5.08E+03	5.91E+04	1.15E+02
NO3-	kg	4.70E+05	3.44E+04	2.12E+05	1.03E-05	8.45E-13	5.73E+04	3.99E+05	3.46E+04	7.13E+04	2.34E+03
OH(BOUND)	kg	2.60E+05	2.51E+04	1.73E+05	5.41E+04	9.24E+04	1.66E+04	1.72E+05	9.26E+03	5.91E+04	1.97E+04
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Pb+2	kg	2.24E+02	3.31E+02	6.77E+02	1.05E+00	0.00E+00	7.65E+02	1.11E+02	3.46E+01	5.64E+02	4.74E+02
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
PO4-3	kg	1.62E+04	2.85E+03	1.23E+04	1.89E+02	0.00E+00	3.94E+04	1.17E+04	3.17E+02	3.39E+03	1.28E+02
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Si+4	kg	2.23E+03	2.62E+03	2.08E+04	2.47E+03	6.71E+03	2.82E+04	3.21E+02	1.12E+03	1.26E+03	4.44E+01
SO4-2	kg	3.66E+04	1.18E+03	3.40E+04	6.80E+02	2.74E+03	3.29E+03	3.17E+04	6.38E+02	1.07E+04	2.42E+02
Sr+2	kg	2.54E+01	1.56E+01	2.32E+01	5.02E+01	8.76E+01	3.29E+01	9.89E+00	3.05E-01	4.93E+01	2.93E+01
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
TOC	kg	1.10E+04	2.78E+03	1.47E+04	0.00E+00	0.00E+00	4.91E+03	7.58E+03	7.21E+03	3.15E+03	1.15E+02
U(TOTAL)	kg	0.00E+00	0.00E+00	1.14E+00	7.97E-02	1.60E-02	0.00E+00	0.00E+00	6.13E-04	0.00E+00	2.88E-01
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zr+4	kg	7.37E+01	2.46E+02	3.63E+02	3.55E-04	0.00E+00	8.83E+02	5.12E+01	7.24E+01	2.27E+02	2.02E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 3 of 30)

Species	Units	B-101	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
106-Ru	Ci	7.06E-01	1.10E-05	9.54E-09	2.06E-08	2.29E-08	3.78E-06	8.43E-05	1.02E-08	6.76E-04	4.32E-03
113m-Cd	Ci	1.06E+02	2.45E-01	2.73E-01	5.14E-01	6.33E-01	5.94E-01	1.29E+00	3.08E-01	8.41E+00	2.49E+01
125-Sb	Ci	5.16E+00	3.27E-01	2.22E-02	4.53E-02	5.26E-02	1.57E-01	3.04E+00	2.43E-02	2.46E+01	1.67E+00
126-Sn	Ci	7.80E+00	2.29E-02	3.60E-02	6.64E-02	8.31E-02	7.49E-02	8.88E-02	4.09E-02	4.54E-01	1.98E+00
129-I	Ci	6.74E-03	1.45E-03	1.49E-03	2.74E-03	3.42E-03	3.25E-03	7.08E-04	1.68E-03	6.53E-02	4.54E-02
134-Cs	Ci	3.14E-02	3.44E-03	5.84E-04	1.45E-03	1.44E-03	2.32E-03	3.26E+00	6.39E-04	1.71E-01	4.37E+00
137-Cs	Ci	1.04E+04	3.83E+03	5.47E+03	1.94E+04	2.45E+04	1.21E+04	2.17E+04	8.79E+03	3.17E+04	1.73E+04
137m-Ba	Ci	9.84E+03	3.63E+03	5.18E+03	1.83E+04	2.32E+04	1.14E+04	2.05E+04	8.28E+03	3.00E+04	1.63E+04
14-C	Ci	5.48E-01	1.34E-01	1.41E-01	2.09E-01	2.62E-01	2.48E-01	6.02E-01	1.29E-01	3.88E+00	1.54E+00
151-Sm	Ci	1.42E+04	5.60E+01	8.95E+01	1.64E+02	2.06E+02	1.85E+02	2.14E+02	1.02E+02	1.07E+03	4.74E+03
152-Eu	Ci	3.18E+01	1.57E-02	1.70E-02	4.46E-02	4.05E-02	3.60E-02	5.66E-02	1.87E-02	2.87E-01	7.06E+01
154-Eu	Ci	1.57E+03	1.15E+00	4.37E-01	8.80E-01	1.03E+00	1.23E+00	3.00E+01	4.80E-01	6.75E+01	1.53E+02
155-Eu	Ci	1.65E+03	1.16E+00	1.36E+00	3.28E+00	3.08E+00	2.72E+00	4.62E+01	1.50E+00	1.81E+01	1.61E+02
226-Ra	Ci	7.04E-04	4.65E-06	8.23E-06	1.17E-05	1.58E-05	1.39E-05	7.76E-06	8.15E-06	1.83E-05	8.47E-05
227-Ac	Ci	3.16E-03	6.44E-04	3.79E-05	6.00E-05	8.10E-05	7.13E-05	9.84E-04	4.15E-05	8.25E-03	4.56E-04
228-Ra	Ci	1.47E-08	1.39E-03	7.47E-11	1.60E-10	1.59E-10	4.33E-04	1.06E-02	8.45E-11	9.01E-02	7.91E-10
229-Th	Ci	1.73E-06	1.20E-04	1.45E-08	3.13E-08	3.08E-08	1.02E-05	3.79E-04	1.64E-08	3.21E-03	1.25E-07
231-Pa	Ci	1.98E-04	9.68E-04	7.70E-05	1.31E-04	1.74E-04	1.56E-04	1.51E-03	8.93E-05	1.24E-02	1.03E-03
232-Th	Ci	1.95E-10	9.95E-05	3.28E-11	5.93E-11	7.53E-11	2.85E-05	1.28E-03	3.74E-11	1.09E-02	7.18E-11
232-U	Ci	1.84E-05	2.91E-03	8.48E-06	2.85E-05	7.00E-05	2.25E-03	1.16E-05	1.88E-05	6.53E-01	1.26E-06
233-U	Ci	9.46E-07	1.12E-02	4.49E-07	1.31E-06	3.30E-06	8.44E-03	1.16E-05	1.01E-06	2.51E+00	6.86E-08
234-U	Ci	1.09E+00	3.85E-01	5.39E-01	1.22E+00	3.22E+00	2.40E+00	7.31E-01	1.23E+00	4.82E+00	8.62E-02
235-U	Ci	4.89E-02	1.72E-02	2.42E-02	5.40E-02	1.43E-01	1.06E-01	3.31E-02	5.51E-02	2.08E-01	3.87E-03
236-U	Ci	8.67E-03	2.96E-03	4.10E-03	1.22E-02	3.06E-02	2.24E-02	4.69E-03	9.19E-03	7.70E-02	6.26E-04
237-Np	Ci	1.47E-02	3.54E-03	4.86E-03	8.95E-03	1.12E-02	1.02E-02	1.84E-02	5.50E-03	1.17E-01	1.39E-01
238-Pu	Ci	8.82E+01	3.95E-02	3.90E-01	3.90E-01	5.91E-01	9.79E-02	1.41E-01	1.15E-02	9.01E-01	3.94E+00
238-U	Ci	1.11E+00	3.90E-01	5.48E-01	1.24E+00	3.27E+00	2.44E+00	7.43E-01	1.25E+00	4.77E+00	8.74E-02
239-Pu	Ci	8.39E+02	2.16E+00	7.02E+01	7.65E+01	1.09E+02	1.75E+01	4.39E+01	2.23E+00	4.08E+01	8.95E+01
240-Pu	Ci	2.44E+02	3.17E-01	5.47E+00	5.67E+00	8.34E+00	1.36E+00	2.60E+00	1.66E-01	6.81E+00	9.78E+00
241-Am	Ci	1.81E+03	2.34E-02	1.35E+00	3.64E-01	1.67E+00	3.54E-01	8.82E-02	3.60E-02	1.22E+00	9.13E+01
241-Pu	Ci	6.11E+03	3.00E+00	1.35E+01	1.24E+01	1.99E+01	3.40E+00	1.71E+00	3.70E-01	7.09E+01	8.21E+01
242-Cm	Ci	2.62E+00	6.02E-05	2.04E-03	7.31E-04	2.61E-03	5.85E-04	9.99E-05	5.42E-05	2.65E-04	8.37E-02
242-Pu	Ci	4.31E-02	8.71E-06	5.96E-05	5.42E-05	8.78E-05	1.51E-05	5.19E-06	1.62E-06	2.03E-04	4.58E-04
243-Am	Ci	1.90E-01	4.86E-07	9.25E-06	2.55E-06	1.15E-05	3.11E-06	3.33E-07	2.45E-07	3.99E-05	2.79E-03
243-Cm	Ci	3.10E-01	4.11E-06	4.16E-05	1.50E-05	5.32E-05	1.86E-05	1.81E-06	1.11E-06	6.35E-06	6.45E-02
244-Cm	Ci	1.18E+01	2.87E-05	2.18E-04	6.05E-05	2.72E-04	1.16E-04	1.25E-05	5.79E-06	2.61E-05	1.55E+00
3-H	Ci	3.27E+00	6.17E-01	7.67E-01	1.30E+00	1.79E+00	1.67E+00	3.58E+00	8.54E-01	2.36E+01	2.23E+00
59-Ni	Ci	1.48E+01	5.80E-02	1.26E-01	1.58E-01	2.92E-01	2.61E-01	1.08E-01	1.37E-01	2.49E-01	1.26E+00
60-Co	Ci	8.63E-01	8.05E-02	2.48E-02	4.85E-02	5.80E-02	7.46E-02	8.16E+00	2.75E-02	5.52E+00	1.19E+01
63-Ni	Ci	1.57E+03	5.60E+00	1.21E+01	1.52E+01	2.80E+01	2.50E+01	1.04E+01	1.31E+01	2.45E+01	1.35E+02
79-Se	Ci	4.92E+00	1.53E-02	2.40E-02	4.40E-02	5.54E-02	4.98E-02	1.43E-01	2.72E-02	3.02E-01	1.27E+00
90-Sr	Ci	1.45E+03	5.35E+02	7.63E+02	1.02E+04	6.72E+03	3.94E+04	3.81E+04	1.04E+04	8.53E+03	1.25E+05
90-Y	Ci	1.45E+03	5.35E+02	7.62E+02	1.02E+04	6.75E+03	3.94E+04	3.81E+04	1.04E+04	8.54E+03	1.25E+05
93-Zr	Ci	2.15E+01	7.34E-02	1.14E-01	2.09E-01	2.64E-01	2.37E-01	2.89E-01	1.29E-01	1.50E+00	5.83E+00
93m-Nb	Ci	1.43E+01	5.94E-02	9.64E-02	1.76E-01	2.22E-01	1.99E-01	2.21E-01	1.10E-01	1.08E+00	4.38E+00
99-Tc	Ci	3.51E+00	7.60E-01	7.90E-01	1.45E+00	1.81E+00	1.71E+00	1.75E+01	8.95E-01	3.37E+01	2.09E+01
Ag+	kg	1.01E-36	9.58E-09	4.80E-08	1.65E-08	1.51E-07	6.89E-09	1.42E-07	2.34E-07	8.28E-08	2.44E-06
Al+3	kg	1.62E+04	5.65E+03	7.99E+03	3.57E+03	7.41E+02	3.45E+03	2.78E+04	3.03E+04	5.70E+04	1.42E+03
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	1.61E+01	1.23E+00	8.01E-01	1.16E-01	7.76E-01	6.62E-02	9.38E-01	7.00E-01	8.50E-01	1.65E+01
Be+2	kg	0.00E+00									
Bi+3	kg	2.00E+03	7.01E+02	9.88E+02	2.21E+04	7.17E+03	4.28E+03	1.05E+04	3.59E+03	2.71E+03	2.33E+04
Ca+2	kg	1.23E+03	4.29E+02	6.07E+02	6.36E+02	1.88E+03	1.08E+03	5.46E+02	1.04E+03	1.67E+03	1.02E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 4 of 30)

Species	Units	B-101	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
Cd+2	kg	0.00E+00									
Ce+3	kg	2.35E-29	2.65E+01	9.09E+01	2.02E+03	1.50E+02	1.75E+01	9.20E+02	1.85E+02	1.06E+02	0.00E+00
Cl-	kg	2.49E+02	2.11E+02	2.98E+02	4.09E+03	1.57E+03	9.24E+02	9.96E+02	5.00E+02	7.52E+02	1.55E+03
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	2.82E+03	9.78E+02	3.41E+03	1.12E+04	6.28E+03	9.27E+02	6.40E+03	3.17E+03	6.79E+03	5.67E+03
Cr(TOTAL)	kg	3.48E+02	1.22E+02	1.72E+02	9.94E+02	1.04E+02	2.40E+02	2.85E+02	2.18E+02	1.77E+03	1.02E+03
Cs+	kg	3.46E-01	1.27E-01	1.82E-01	6.45E-01	8.14E-01	4.02E-01	7.21E-01	2.92E-01	1.05E+00	5.75E-01
Cu+2	kg	0.00E+00									
F-	kg	1.52E+02	1.02E+04	1.44E+04	6.71E+03	7.73E+03	2.62E+03	2.50E+04	1.36E+04	2.39E+04	2.40E+03
Fe+3	kg	1.47E+03	5.18E+02	7.28E+02	2.09E+04	2.59E+03	8.80E+03	1.59E+04	4.34E+03	3.75E+03	2.28E+04
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00	7.30E-01	0.00E+00	3.86E+01	3.82E+00	0.00E+00	5.23E+01	1.08E+01	9.44E+00	0.00E+00
K+	kg	8.33E+02	2.88E+02	4.11E+02	4.16E+02	3.14E+02	2.36E+02	6.98E+02	3.64E+02	4.59E+02	3.93E+02
La+3	kg	0.00E+00	4.01E+01								
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E+01	1.06E+02	1.03E+02	0.00E+00	8.42E+01
Mo+6	kg	0.00E+00									
Na+	kg	1.57E+05	5.47E+04	7.73E+04	2.27E+05	1.40E+05	6.73E+04	1.63E+05	9.19E+04	1.79E+05	1.23E+05
Nd+3	kg	0.00E+00									
NH3	kg	4.19E+02	8.26E+01	1.86E+02	6.96E+02	4.77E+02	3.86E+02	8.38E+02	3.72E+02	3.18E+02	5.21E+01
Ni+2	kg	2.99E+03	4.61E+01	1.05E+02	2.00E+02	2.50E+02	2.97E+01	3.94E+01	1.21E+02	1.74E+02	2.34E+01
NO2-	kg	3.40E+04	2.00E+03	2.84E+03	4.75E+03	3.63E+04	4.54E+03	3.41E+03	6.34E+03	7.14E+03	1.30E+04
NO3-	kg	1.14E+05	2.38E+04	3.36E+04	1.96E+05	1.31E+05	1.14E+05	1.51E+05	4.02E+04	8.27E+04	2.36E+05
OH(BOUND)	kg	9.37E+04	1.08E+04	1.40E+04	5.01E+04	1.02E+04	4.23E+03	4.45E+04	6.06E+04	1.30E+05	3.98E+04
OH-	kg	0.00E+00									
Pb+2	kg	1.24E+03	4.34E+02	6.14E+02	0.00E+00	0.00E+00	2.01E+02	5.14E+02	8.46E+02	1.61E+03	6.66E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	4.39E+03	2.16E+04	3.06E+04	1.01E+05	6.58E+04	4.42E+04	7.64E+04	5.52E+04	7.32E+04	6.22E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	8.75E+02	3.06E+02	4.32E+02	1.10E+04	1.11E+03	1.51E+03	5.84E+03	1.69E+03	2.88E+03	1.18E+04
SO4-2	kg	2.98E+04	3.74E+04	5.28E+04	4.24E+04	2.09E+04	1.01E+04	8.65E+04	3.79E+04	8.43E+04	1.45E+04
Sr+2	kg	1.23E+02	4.29E+01	6.07E+01	1.75E-01	1.16E-01	2.20E+02	1.21E+02	1.73E+02	1.45E-01	2.65E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	3.11E+02	1.41E+01	2.50E+02	7.41E-01	1.38E+00	1.01E+03	7.78E+02	2.87E+02	1.55E+03	4.80E+02
U(TOTAL)	kg	0.00E+00	1.91E+00	1.69E+00	6.30E+00	0.00E+00	0.00E+00	4.55E+00	6.09E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	1.23E+02	4.29E+01	6.07E+01	1.38E+01	7.74E+00	4.09E+01	1.33E+02	9.32E+01	1.59E+02	7.88E+00

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 5 of 30)

Species	Units	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103	BX-104
106-Ru	Ci	3.75E-02	4.28E-04	4.22E-11	4.05E-11	7.50E-11	7.36E-11	7.86E-02	3.55E-06	6.63E-05	1.44E-03
113m-Cd	Ci	2.16E+02	4.94E+00	4.90E-04	4.73E-04	8.74E-04	8.57E-04	8.15E-01	6.74E-02	8.74E-01	1.81E+01
125-Sb	Ci	1.52E+01	1.02E+01	6.46E-05	6.24E-05	1.15E-04	1.13E-04	1.28E+00	1.39E-02	1.93E+00	3.27E+01
126-Sn	Ci	1.71E+01	2.84E-01	5.56E-05	5.36E-05	9.90E-05	9.73E-05	7.89E-02	9.70E-03	5.93E-02	1.06E+00
129-I	Ci	3.41E-02	5.21E-03	2.30E-06	2.21E-06	4.10E-06	4.01E-06	1.25E-02	5.37E-03	1.19E-02	2.79E-02
134-Cs	Ci	7.74E-01	1.05E-01	1.67E-01	2.68E-06	4.97E-06	4.87E-06	3.58E-03	7.75E-04	1.82E-02	6.77E-01
137-Cs	Ci	1.68E+05	1.16E+04	1.05E+02	1.19E+01	3.69E+01	3.62E+01	2.40E+04	8.44E+03	1.87E+04	5.04E+04
137m-Ba	Ci	1.59E+05	1.10E+04	9.90E+01	1.12E+01	3.49E+01	3.42E+01	2.27E+04	7.96E+03	1.77E+04	4.77E+04
14-C	Ci	1.70E+00	2.31E-01	4.34E-02	1.68E-04	3.12E-04	3.05E-04	1.42E-01	2.30E-01	5.08E-01	3.13E-01
151-Sm	Ci	4.10E+04	6.58E+02	1.39E-01	1.34E-01	2.49E-01	2.44E-01	1.84E+02	2.46E+01	1.43E+02	2.47E+03
152-Eu	Ci	1.25E+01	2.87E-01	1.82E-04	1.76E-04	3.27E-04	3.18E-04	7.42E+00	1.80E-02	6.07E-02	9.01E-01
154-Eu	Ci	1.81E+02	1.92E+01	5.13E-01	8.67E-04	1.61E-03	1.57E-03	5.21E+00	9.74E-02	5.97E+00	1.26E+02
155-Eu	Ci	9.30E+02	1.74E+01	3.40E-01	1.59E-02	2.94E-02	2.88E-02	4.26E+02	1.71E+00	5.07E+00	5.44E+01
226-Ra	Ci	7.29E-04	8.86E-06	8.22E-09	7.93E-09	1.47E-08	1.44E-08	3.25E-04	1.20E-05	2.89E-05	5.00E-05
227-Ac	Ci	3.93E-03	1.21E-04	4.34E-08	4.18E-08	7.74E-08	7.60E-08	1.39E-03	3.15E-03	5.07E-03	2.33E-04
228-Ra	Ci	2.53E-03	1.09E-01	5.29E-13	5.10E-13	9.43E-13	9.24E-13	1.87E-03	1.02E-03	6.13E-03	2.55E-02
229-Th	Ci	5.91E-05	2.51E-03	1.02E-10	9.87E-11	1.83E-10	1.79E-10	4.36E-05	4.62E-04	8.42E-04	5.98E-04
231-Pa	Ci	8.83E-03	6.24E-04	1.00E-07	9.64E-08	1.79E-07	1.75E-07	7.37E-05	4.65E-03	7.46E-03	8.83E-04
232-Th	Ci	3.11E-04	4.51E-03	4.62E-14	4.45E-14	8.25E-14	8.08E-14	2.31E-04	4.75E-05	6.05E-04	1.73E-03
232-U	Ci	2.68E-03	4.05E-02	1.41E-07	2.63E-07	2.91E-07	9.38E-08	9.65E-04	1.12E-03	1.93E-03	4.88E-02
233-U	Ci	1.02E-02	1.56E-01	6.44E-09	1.20E-08	1.33E-08	4.28E-09	3.54E-03	4.34E-03	7.43E-03	1.87E-01
234-U	Ci	6.94E-02	1.16E-02	7.06E-03	1.74E-02	1.45E-02	4.68E-03	3.48E+00	2.60E-01	5.76E-01	7.94E+00
235-U	Ci	3.03E-03	4.34E-04	3.13E-04	5.94E-04	6.44E-04	2.08E-04	1.57E-01	1.17E-02	2.59E-02	3.59E-01
236-U	Ci	8.09E-04	3.72E-04	6.14E-05	1.87E-04	1.26E-04	4.08E-05	2.22E-02	1.80E-03	3.89E-03	5.22E-02
237-Np	Ci	7.61E-02	1.31E-02	7.54E-06	7.26E-06	1.34E-05	1.31E-05	5.04E-03	1.30E-03	1.16E-02	1.73E-01
238-Pu	Ci	2.84E+00	6.54E-03	9.31E-01	3.17E+00	3.08E-01	3.65E-01	4.93E+00	1.01E+00	2.24E+00	5.67E+00
238-U	Ci	6.99E-02	9.72E-03	7.16E-03	1.34E-02	1.47E-02	4.74E-03	3.53E+00	2.63E-01	5.82E-01	8.07E+00
239-Pu	Ci	8.83E+01	3.37E-01	1.43E+02	1.58E+01	4.45E+01	5.27E+01	8.64E+01	4.25E+01	9.39E+01	2.01E+02
240-Pu	Ci	1.51E+01	4.72E-02	1.25E+01	2.69E+00	3.92E+00	4.63E+00	1.88E+01	7.52E+00	1.66E+01	3.33E+01
241-Am	Ci	8.99E+01	1.02E-01	4.26E+00	8.24E+00	3.64E-01	4.32E-01	1.81E+02	1.78E+02	3.95E+02	4.02E+02
241-Pu	Ci	1.99E+02	4.38E-01	4.13E+01	1.60E+01	1.29E+01	1.54E+01	3.46E+02	8.11E+01	1.79E+02	3.86E+02
242-Cm	Ci	8.20E-02	1.81E-06	4.17E-02	8.03E-02	3.57E-03	4.20E-03	3.54E-01	1.84E+00	9.79E-01	1.16E+00
242-Pu	Ci	1.14E-03	2.10E-06	1.91E-04	5.27E-04	5.99E-05	7.06E-05	2.25E-03	2.28E-04	5.08E-04	2.12E-03
243-Am	Ci	2.75E-03	3.53E-06	3.47E-05	6.68E-05	2.97E-06	3.51E-06	1.37E-02	1.15E-03	1.29E-02	1.46E-02
243-Cm	Ci	2.00E-02	3.72E-08	8.98E-03	1.73E-03	7.64E-05	9.09E-05	3.77E-02	4.83E-02	6.97E-02	1.07E-01
244-Cm	Ci	4.79E-01	5.14E-07	2.16E-01	1.70E-03	7.52E-05	8.90E-05	1.01E+00	3.78E-02	5.99E-01	9.95E-01
3-H	Ci	1.32E+01	9.36E+00	2.51E+00	5.43E-04	1.01E-03	9.84E-04	1.40E+00	9.31E-02	1.95E+00	4.52E+01
59-Ni	Ci	1.09E+01	2.10E-01	8.86E-04	4.49E-05	8.33E-05	8.11E-05	8.71E+00	8.26E-03	2.96E-02	4.17E-01
60-Co	Ci	4.10E+00	2.28E+00	2.07E-01	5.39E-05	1.00E-04	9.80E-05	7.10E+00	1.28E+01	2.84E+01	1.99E+01
63-Ni	Ci	1.17E+03	2.22E+01	2.54E-02	4.41E-03	8.14E-03	8.02E-03	9.19E+02	7.77E-01	2.91E+00	4.33E+01
79-Se	Ci	1.10E+01	1.90E-01	3.68E-05	3.55E-05	6.58E-05	6.44E-05	5.06E-02	6.51E-03	3.95E-02	7.04E-01
90-Sr	Ci	2.65E+05	2.37E+04	2.74E+02	4.72E+02	3.26E+01	3.19E+01	6.34E+04	2.11E+04	4.69E+04	1.47E+05
90-Y	Ci	2.64E+05	2.37E+04	2.74E+02	4.72E+02	3.26E+01	3.19E+01	6.31E+04	2.12E+04	4.69E+04	1.47E+05
93-Zr	Ci	5.05E+01	9.20E-01	1.75E-04	1.69E-04	3.12E-04	3.07E-04	2.33E-01	3.09E-02	1.94E-01	3.44E+00
93m-Nb	Ci	3.79E+01	6.64E-01	1.45E-04	1.39E-04	2.58E-04	2.53E-04	1.86E-01	2.65E-02	1.47E-01	2.50E+00
99-Tc	Ci	1.21E+02	9.46E+00	2.66E-01	1.17E-03	2.15E-03	2.12E-03	9.48E+00	5.98E+00	1.33E+01	2.10E+01
Ag+	kg	3.20E-05	1.76E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-25	5.64E-06	3.82E-24	3.45E-05
Al+3	kg	9.55E+02	1.46E+02	5.37E+02	6.73E+01	1.20E+01	1.44E+01	3.17E+04	6.61E+03	1.34E+04	7.23E+04
As+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
B+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ba+2	kg	2.55E+00	6.74E+00	0.00E+00	1.12E-01	0.00E+00	0.00E+00	4.64E-01	1.31E+00	6.30E-01	3.36E+00
Be+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Bi+3	kg	2.15E+04	2.79E+03	1.30E+04	3.44E+03	9.58E+03	1.07E+04	1.52E+02	1.38E+02	3.06E+02	3.47E+02
Ca+2	kg	7.32E+02	1.08E+02	1.67E+03	6.26E+02	5.10E+01	6.71E+01	5.23E+02	1.72E+03	2.46E+03	1.20E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 6 of 30)

Species	Units	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103	BX-104
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ce+3	kg	3.63E+00	1.24E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-18	7.72E+02	7.61E-16	4.43E-02
Cl-	kg	1.08E+03	1.63E+02	2.26E+02	1.07E+02	1.98E+02	1.53E+02	2.86E+02	1.02E+01	0.00E+00	6.54E+02
CN-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
CO3-2	kg	2.37E+04	1.94E+03	2.15E+03	1.21E+03	7.41E+02	2.72E+03	6.66E+03	1.02E+04	2.40E+04	1.52E+04
Cr(TOTAL)	kg	1.18E+03	1.38E+02	4.64E+02	3.45E+02	7.08E+02	7.13E+02	1.74E+03	1.54E+03	3.42E+03	3.98E+03
Cs+	kg	5.58E+00	3.84E-01	3.49E-03	3.96E-04	1.23E-03	1.20E-03	7.98E-01	2.81E-01	6.20E-01	1.68E+00
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
F-	kg	1.66E+03	2.50E+02	8.00E+02	7.72E+02	1.79E+03	1.56E+03	2.43E+02	0.00E+00	0.00E+00	5.55E+02
Fe+3	kg	1.88E+04	2.58E+03	2.02E+03	5.65E+02	1.01E+03	8.39E+02	1.76E+03	2.40E+03	2.36E+03	4.02E+03
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Hg+2	kg	9.90E+00	0.00E+00	8.22E-02	4.58E-02	0.00E+00	0.00E+00	0.00E+00	3.63E+00	5.81E+00	0.00E+00
K+	kg	7.16E+02	4.50E+01	7.97E+02	9.26E+02	1.18E+03	1.28E+03	3.05E+02	2.62E+02	5.79E+02	6.77E+02
La+3	kg	1.20E+01	2.80E+00	2.07E+03	1.31E+03	2.39E+03	2.29E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Mn+4	kg	8.38E+01	1.05E+01	3.14E+03	1.20E+03	3.26E+03	3.26E+03	4.24E+02	2.67E+02	5.91E+02	9.68E+02
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Na+	kg	1.02E+05	1.40E+04	5.24E+03	4.58E+03	6.66E+03	5.77E+03	2.00E+04	1.97E+04	4.36E+04	4.57E+04
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
NH3	kg	4.53E+02	1.39E+01	2.21E-04	2.13E-04	3.95E-04	3.87E-04	7.72E+01	1.20E-02	2.04E-02	3.00E-03
Ni+2	kg	2.20E+01	2.71E+00	5.89E+01	2.56E+01	4.20E+01	5.15E+01	4.46E+01	2.63E+01	5.83E+01	9.91E+01
NO2-	kg	4.78E+04	3.99E+03	1.21E+02	1.04E+02	1.68E+02	1.53E+02	6.66E+03	2.15E+02	0.00E+00	1.52E+04
NO3-	kg	8.72E+04	1.95E+04	6.77E+03	7.60E+03	1.47E+04	1.16E+04	1.31E+04	5.95E+03	1.32E+04	3.01E+04
OH(BOUND)	kg	4.53E+04	5.76E+02	8.20E+03	3.68E+03	6.61E+03	4.27E+03	7.10E+04	8.86E+03	1.58E+04	1.62E+05
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Pb+2	kg	1.67E+03	2.26E+02	1.87E+02	5.94E+01	1.09E+02	0.00E+00	2.60E+02	1.01E+02	2.23E+02	5.95E+02
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
PO4-3	kg	5.18E+04	5.28E+03	2.29E+03	8.73E+02	2.50E+03	1.57E+03	2.33E+03	1.09E+04	2.42E+04	5.34E+03
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Si+4	kg	1.11E+04	1.43E+03	2.77E+03	2.04E+02	2.13E+02	2.36E+02	5.18E+02	4.85E+04	1.65E+04	1.18E+03
SO4-2	kg	1.23E+04	1.66E+03	4.78E+01	1.90E+02	1.61E+02	1.43E+02	4.81E+02	7.72E+02	2.02E+03	1.10E+03
Sr+2	kg	2.30E+02	3.08E+01	1.27E+02	5.54E+01	1.13E+02	8.61E+01	1.35E+01	9.94E+00	2.19E+01	3.10E+01
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
TOC	kg	9.30E+02	9.06E+01	3.24E+02	3.65E+02	1.78E+01	4.73E+03	1.43E+03	4.98E+02	1.11E+03	3.27E+03
U(TOTAL)	kg	0.00E+00	2.69E-02	0.00E+00	0.00E+00	7.33E-02	0.00E+00	2.67E+01	2.43E-01	3.77E+00	0.00E+00
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00						
Zr+4	kg	1.53E+01	1.49E+00	7.27E+00	3.42E-01	7.24E-01	0.00E+00	3.63E+02	6.00E+01	1.33E+02	8.03E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 7 of 30)

Species	Units	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112	BY-101	BY-102
106-Ru	Ci	1.22E-04	8.57E-04	1.26E-05	9.50E-10	2.06E-08	1.01E-03	4.32E-03	0.00E+00	8.40E-03	7.70E-03
113m-Cd	Ci	1.63E+00	9.89E+00	4.88E-01	2.67E-02	5.16E-01	1.18E+01	4.94E+01	3.34E-01	9.67E+01	8.85E+01
125-Sb	Ci	2.95E+00	2.10E+01	4.46E-01	2.19E-03	4.54E-02	2.27E+01	9.65E+01	3.10E-02	1.89E+02	1.75E+02
126-Sn	Ci	1.04E-01	5.62E-01	5.22E-02	3.52E-03	6.64E-02	7.01E-01	2.89E+00	4.20E-02	5.67E+00	5.16E+00
129-I	Ci	8.83E-03	7.08E-03	2.97E-03	1.45E-04	2.74E-03	5.91E-02	1.91E-01	1.73E-03	4.85E-01	4.48E-01
134-Cs	Ci	5.76E-02	2.28E-01	1.72E-03	8.88E-05	7.27E-04	2.47E-01	1.05E+00	1.15E-03	2.04E+00	1.92E+00
137-Cs	Ci	1.38E+04	1.11E+04	3.17E+04	2.09E+03	1.40E+04	6.57E+04	8.00E+04	4.21E+04	2.85E+05	1.56E+05
137m-Ba	Ci	1.31E+04	1.05E+04	3.00E+04	1.97E+03	1.33E+04	6.19E+04	7.58E+04	3.98E+04	2.70E+05	1.48E+05
14-C	Ci	3.78E-01	3.03E-01	4.86E-01	1.11E-02	2.09E-01	5.48E+00	1.76E+01	1.32E-01	4.55E+01	4.12E+01
151-Sm	Ci	2.47E+02	1.30E+03	1.29E+02	8.71E+00	1.64E+02	1.62E+03	6.68E+03	1.03E+02	1.31E+04	1.19E+04
152-Eu	Ci	8.47E-02	5.53E-01	4.03E-02	3.06E-03	4.44E-01	7.33E-01	3.03E+00	3.61E-02	5.93E+00	5.40E+00
154-Eu	Ci	1.09E+01	7.40E+01	1.85E+00	4.32E-02	8.80E-01	8.58E+01	3.64E+02	5.99E-01	7.10E+02	6.53E+02
155-Eu	Ci	6.09E+00	3.36E+01	3.22E+00	2.40E-01	3.34E+01	4.47E+01	1.84E+02	2.52E+00	3.60E+02	3.27E+02
226-Ra	Ci	2.62E-05	1.85E-05	9.42E-06	6.75E-07	1.18E-05	2.57E-05	9.34E-05	6.77E-06	2.01E-04	1.74E-04
227-Ac	Ci	7.38E-05	2.25E-04	4.80E-05	3.44E-06	6.01E-05	3.28E-04	1.32E-03	3.47E-05	2.62E-03	2.33E-03
228-Ra	Ci	3.63E-03	2.00E-01	3.86E-06	1.30E-11	1.69E-09	2.69E-01	1.15E+00	0.00E+00	2.25E+00	2.03E+00
229-Th	Ci	8.45E-05	4.62E-03	1.92E-07	2.51E-09	3.28E-07	6.23E-03	2.66E-02	0.00E+00	5.19E-02	4.68E-02
231-Pa	Ci	1.23E-04	1.14E-03	1.06E-04	7.42E-06	1.31E-04	1.63E-03	6.80E-03	7.65E-05	1.33E-02	1.19E-02
232-Th	Ci	3.39E-04	8.97E-03	1.34E-06	3.19E-12	5.93E-11	9.98E-03	4.24E-02	0.00E+00	8.31E-02	7.63E-02
232-U	Ci	2.46E-04	2.01E-01	7.49E-05	1.01E-05	1.40E-04	4.71E-01	7.62E-01	1.71E-04	1.51E+00	2.09E-01
233-U	Ci	9.29E-04	7.69E-01	1.05E-04	5.12E-07	6.40E-06	1.80E+00	2.92E+00	6.29E-04	5.80E+00	8.03E-01
234-U	Ci	4.27E-01	3.52E-01	2.99E+00	5.71E-01	5.82E+00	2.91E+00	4.16E-01	2.77E-01	2.73E+00	2.31E-01
235-U	Ci	1.92E-02	1.54E-02	1.33E-01	2.55E-02	2.57E-01	1.29E-01	1.69E-02	1.23E-02	1.20E-01	9.94E-03
236-U	Ci	2.73E-03	3.72E-03	2.32E-02	4.70E-03	5.95E-02	2.86E-02	8.99E-03	2.82E-03	2.85E-02	3.00E-03
237-Np	Ci	1.71E-02	9.31E-02	7.97E-03	4.74E-04	8.95E-03	1.04E-01	4.30E-01	5.69E-03	8.46E-01	7.75E-01
238-Pu	Ci	1.36E+00	2.17E+00	6.44E-01	3.34E-02	1.32E-01	1.37E+00	6.73E-01	1.00E+00	1.57E+00	2.28E+00
238-U	Ci	4.30E-01	3.46E-01	3.03E+00	5.78E-01	5.92E+00	2.93E+00	3.87E-01	2.82E-01	2.69E+00	2.24E-01
239-Pu	Ci	7.27E+01	7.77E+01	9.88E+01	4.80E+00	1.69E+01	9.14E+01	2.59E+01	1.30E+02	5.64E+01	8.14E+01
240-Pu	Ci	9.09E+00	1.34E+01	8.41E+00	4.26E-01	1.62E+00	1.11E+01	4.24E+00	1.23E+01	9.64E+00	1.40E+01
241-Am	Ci	2.91E+02	4.39E+01	2.44E+01	1.43E+00	8.00E-01	1.70E+01	1.15E+01	1.64E+00	5.90E+01	4.05E+01
241-Pu	Ci	8.82E+01	1.57E+02	2.51E+01	1.35E+00	5.69E+00	8.60E+01	4.79E+01	4.30E+01	1.13E+02	1.64E+02
242-Cm	Ci	8.10E-01	9.99E-03	7.04E-02	3.97E-03	1.57E-02	1.17E-03	1.96E-04	3.70E-03	7.94E-04	2.17E-03
242-Pu	Ci	4.81E-04	7.60E-04	1.13E-04	6.11E-06	2.59E-05	4.09E-04	2.30E-04	1.96E-04	5.46E-04	7.90E-04
243-Am	Ci	1.06E-02	1.54E-03	3.31E-04	9.85E-06	5.58E-06	5.80E-04	3.97E-04	2.69E-05	2.03E-03	1.41E-03
243-Cm	Ci	7.38E-02	8.83E-04	3.18E-03	8.10E-05	3.21E-04	2.39E-05	4.02E-06	1.46E-04	1.60E-05	1.60E-04
244-Cm	Ci	6.61E-01	8.00E-03	2.57E-02	2.32E-04	1.32E-04	1.32E-04	5.53E-05	8.82E-04	2.71E-04	1.26E-03
3-H	Ci	3.91E+00	1.90E+01	1.01E+00	5.21E-02	1.47E+00	2.11E+01	6.77E+01	7.92E-01	1.73E+02	1.60E+02
59-Ni	Ci	4.69E-02	3.86E-01	4.09E-02	2.95E-03	5.57E-02	5.59E-01	2.30E+00	9.02E-02	4.52E+00	4.04E+00
60-Co	Ci	2.10E+01	1.68E+01	1.26E-01	2.43E-03	4.85E-02	5.07E+00	2.15E+01	3.20E-02	4.22E+01	3.89E+01
63-Ni	Ci	4.73E+00	4.08E+01	3.94E+00	2.84E-01	5.36E+00	5.90E+01	2.44E+02	8.63E+00	4.78E+02	4.28E+02
79-Se	Ci	6.93E-02	3.76E-01	3.48E-02	2.34E-03	4.41E-02	4.68E-01	1.93E+00	2.79E-02	3.79E+00	3.45E+00
90-Sr	Ci	3.48E+04	2.80E+04	1.80E+04	1.71E+04	1.99E+05	2.01E+04	1.58E+04	4.92E+03	2.22E+05	4.23E+04
90-Y	Ci	3.48E+04	2.79E+04	1.80E+04	1.70E+04	1.99E+05	2.01E+04	1.58E+04	4.92E+03	2.22E+05	4.23E+04
93-Zr	Ci	3.39E-01	1.83E+00	1.67E-01	1.11E-02	2.09E-01	2.26E+00	9.32E+00	1.32E-01	1.83E+01	1.67E+01
93m-Nb	Ci	2.53E-01	1.31E+00	1.37E-01	9.41E-03	1.76E-01	1.64E+00	6.76E+00	1.11E-01	1.32E+01	1.20E+01
99-Tc	Ci	9.85E+00	7.88E+00	6.92E+01	4.97E+00	1.45E+00	3.07E+01	9.82E+01	9.19E-01	2.51E+02	2.31E+02
Ag+	kg	1.24E-05	4.27E-05	4.92E-08	1.33E-09	4.68E-08	2.78E-06	2.86E-06	2.14E-08	3.67E-06	1.06E-06
Al+3	kg	9.99E+03	7.97E+03	2.68E+04	1.00E+03	2.68E+03	3.08E+04	1.18E+04	1.10E+04	5.07E+04	6.55E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	1.57E+00	1.63E+01	4.12E-01	2.47E-01	1.65E+00	1.58E+00	1.41E+00	2.36E-01	4.23E+00	1.40E+00
Be+2	kg	0.00E+00									
Bi+3	kg	2.27E+02	1.82E+02	4.18E+04	1.26E+03	1.61E+03	2.68E+04	2.22E+03	1.42E+04	5.22E+03	9.97E+01
Ca+2	kg	1.83E+03	1.46E+03	7.43E+02	2.93E+02	3.28E+03	2.60E+03	4.36E+02	2.04E+03	5.08E+03	5.52E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 8 of 30)

Species	Units	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112	BY-101	BY-102
Cd+2	kg	0.00E+00									
Ce+3	kg	6.27E+02	1.79E+04	3.23E+03	7.13E+00	4.73E-01	1.96E+03	2.03E+03	1.55E+03	2.61E+03	7.47E+02
Cl-	kg	3.06E+02	2.45E+02	2.14E+03	1.81E+02	1.43E+03	2.03E+03	6.40E+02	8.53E+02	4.64E+03	1.91E+03
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	7.12E+03	5.71E+03	2.18E+03	4.42E+02	1.60E+04	1.66E+04	7.95E+03	8.77E+03	1.89E+05	2.18E+05
Cr(TOTAL)	kg	2.54E+03	2.03E+03	1.82E+03	6.51E+01	1.48E+02	5.44E+03	1.93E+03	1.05E+03	3.64E+03	2.94E+03
Cs+	kg	4.61E-01	3.69E-01	1.05E+00	6.95E-02	4.65E-01	2.18E+00	2.66E+00	1.40E+00	9.47E+00	5.19E+00
Cu+2	kg	0.00E+00									
F-	kg	2.60E+02	1.51E+02	1.72E+04	5.49E+02	3.48E+02	1.66E+04	4.13E+03	8.69E+03	1.33E+04	2.83E+04
Fe+3	kg	1.75E+03	1.40E+03	2.08E+04	2.57E+03	2.37E+04	2.04E+04	2.65E+03	7.69E+03	1.27E+04	9.65E+02
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00	0.00E+00	1.06E+00	8.28E+00	1.08E+01	4.97E+01	1.02E+01	4.21E+01	0.00E+00	0.00E+00
K+	kg	4.30E+02	3.44E+02	4.93E+02	2.63E+01	2.05E+02	9.16E+02	9.83E+02	3.30E+02	4.18E+03	3.06E+03
La+3	kg	0.00E+00	0.00E+00	1.50E+01	0.00E+00	0.00E+00	1.83E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	4.39E+02	3.51E+02	1.21E+02	1.69E+01	1.61E+02	2.55E+02	5.31E+01	2.62E+02	2.42E+02	7.00E+01
Mo+6	kg	0.00E+00									
Na+	kg	3.24E+04	2.59E+04	1.91E+05	1.50E+04	1.14E+05	2.62E+05	2.14E+05	6.65E+04	4.61E+05	4.20E+05
Nd+3	kg	0.00E+00									
NH3	kg	3.37E-03	3.52E+01	1.59E+03	1.16E+02	1.35E+02	7.09E+02	2.78E+02	6.13E+02	3.03E+02	2.70E+02
Ni+2	kg	4.32E+01	3.47E+01	2.29E+01	8.21E+00	3.52E+01	1.55E+02	1.03E+02	9.60E+01	6.32E+03	1.89E+02
NO2-	kg	7.12E+03	5.71E+03	1.52E+04	2.29E+03	1.96E+04	2.37E+04	1.06E+04	2.08E+04	6.54E+04	2.19E+04
NO3-	kg	9.78E+03	7.83E+03	2.57E+05	2.48E+04	2.09E+05	3.40E+05	3.63E+05	6.10E+04	6.62E+05	1.50E+05
OH(BOUND)	kg	1.52E+04	1.22E+04	3.74E+04	1.73E+03	3.02E+03	5.81E+04	5.46E+04	1.04E+04	9.35E+04	1.75E+05
OH-	kg	0.00E+00									
Pb+2	kg	1.66E+02	1.33E+02	1.18E+02	6.33E+01	7.22E+02	4.50E+02	1.08E+02	1.02E+00	8.81E+02	1.46E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	1.80E+04	1.44E+04	1.34E+05	9.64E+03	6.90E+04	1.61E+05	3.22E+04	4.80E+04	4.80E+04	4.25E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	1.22E+04	9.79E+03	1.27E+04	4.36E+02	6.03E+02	1.10E+04	1.38E+03	6.82E+03	3.35E+03	6.84E+03
SO4-2	kg	5.15E+02	4.13E+02	2.51E+04	2.33E+03	1.90E+04	9.81E+03	3.61E+03	5.26E+03	3.23E+04	9.07E+04
Sr+2	kg	1.63E+01	1.31E+01	3.15E+02	6.22E+01	6.39E+02	4.82E+02	9.53E+01	1.07E+02	2.47E+03	1.14E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	8.18E+02	6.56E+02	1.50E+03	8.03E+01	4.43E+02	1.68E+03	9.98E+02	7.79E+02	1.26E+04	6.85E+03
U(TOTAL)	kg	0.00E+00	3.53E+00	0.00E+00	5.85E+00	0.00E+00	1.42E+01	0.00E+00	0.00E+00	1.80E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	9.86E+01	7.90E+01	2.55E+02	7.42E+00	2.88E+00	2.00E+02	2.24E+01	6.35E+01	1.42E+02	1.55E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 9 of 30)

Species	Units	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109	BY-110	BY-111	BY-112
106-Ru	Ci	9.40E-03	4.22E-03	8.10E-03	1.31E-02	3.58E-03	1.51E-03	6.36E-03	4.99E-03	1.04E-02	6.79E-03
113m-Cd	Ci	1.08E+02	4.90E+01	9.35E+01	1.50E+02	4.14E+01	1.80E+01	1.07E+02	5.81E+01	1.20E+02	7.81E+01
125-Sb	Ci	2.11E+02	9.51E+01	1.82E+02	2.94E+02	8.04E+01	3.40E+01	2.10E+02	1.13E+02	2.34E+02	1.53E+02
126-Sn	Ci	6.30E+00	2.92E+00	5.50E+00	8.82E+00	2.45E+00	1.10E+00	6.27E+00	3.43E+00	7.01E+00	4.57E+00
129-I	Ci	5.42E-01	2.47E-01	4.70E-01	7.57E-01	2.08E-01	9.07E-02	3.67E-01	2.91E-01	6.02E-01	3.94E-01
134-Cs	Ci	2.29E+00	1.05E+00	1.99E+00	3.20E+00	8.82E-01	3.87E-01	1.57E+00	1.24E+00	2.54E+00	1.66E+00
137-Cs	Ci	2.27E+05	2.19E+05	1.17E+05	0.00E+00	2.41E+05	3.49E+05	1.44E+05	2.15E+05	2.26E+05	1.70E+05
137m-Ba	Ci	2.15E+05	2.07E+05	1.10E+05	6.89E+05	2.28E+05	3.31E+05	1.36E+05	2.04E+05	2.14E+05	1.61E+05
14-C	Ci	5.04E+01	2.28E+01	4.37E+01	7.00E+01	1.93E+01	8.34E+00	3.43E+01	2.70E+01	5.57E+01	3.64E+01
151-Sm	Ci	1.46E+04	6.74E+03	1.28E+04	2.04E+04	5.68E+03	2.55E+03	1.45E+04	7.97E+03	1.62E+04	1.06E+04
152-Eu	Ci	6.64E+00	3.34E+00	6.05E+00	9.43E+00	2.75E+00	1.42E+00	6.55E+00	3.86E+00	7.35E+00	4.81E+00
154-Eu	Ci	7.96E+02	3.59E+02	6.86E+02	1.11E+03	3.02E+02	6.78E+01	7.88E+02	4.24E+02	8.80E+02	5.75E+02
155-Eu	Ci	4.03E+02	2.08E+02	3.72E+02	5.72E+02	1.70E+02	9.16E+01	3.98E+02	2.39E+02	4.45E+02	2.91E+02
226-Ra	Ci	2.03E-04	1.03E-04	1.94E-04	2.90E-04	8.54E-05	4.71E-05	2.20E-04	1.22E-04	2.38E-04	1.48E-04
227-Ac	Ci	8.46E-03	1.35E-03	2.55E-03	4.04E-03	1.14E-03	5.36E-04	2.89E-03	1.60E-03	3.21E-03	2.08E-03
228-Ra	Ci	2.53E+00	1.13E+00	2.17E+00	3.51E+00	9.60E-01	4.05E-01	2.48E+00	1.34E+00	2.79E+00	1.82E+00
229-Th	Ci	5.89E-02	2.62E-02	5.02E-02	8.08E-02	2.21E-02	9.36E-03	5.74E-02	3.08E-02	6.42E-02	4.19E-02
231-Pa	Ci	2.31E-02	6.80E-03	1.29E-02	2.07E-02	5.72E-03	2.55E-03	1.47E-02	8.03E-03	1.64E-02	1.07E-02
232-Th	Ci	9.30E-02	4.18E-02	8.94E-04	1.29E-01	3.54E-02	1.50E-02	9.20E-02	4.94E-02	1.03E-01	6.72E-02
232-U	Ci	2.10E+00	1.02E+01	3.42E+00	8.56E-01	5.93E+00	1.68E+01	4.20E-01	9.33E+00	7.94E+00	1.02E+01
233-U	Ci	8.05E+00	3.90E+01	1.31E+01	3.28E+00	2.27E+01	6.44E+01	1.61E+00	3.58E+01	3.04E+01	3.89E+01
234-U	Ci	6.37E-01	2.82E+00	3.29E+00	2.33E-01	3.10E+00	4.88E+00	6.81E-01	5.14E+00	9.06E+00	3.80E+00
235-U	Ci	2.40E-02	1.05E-01	1.41E-01	8.62E-03	1.25E-01	1.83E-01	2.96E-02	2.09E-01	3.91E-01	1.49E-01
236-U	Ci	2.10E-02	9.25E-02	4.60E-02	7.70E-03	6.86E-02	1.55E-01	7.38E-03	1.11E-01	1.16E-01	9.83E-02
237-Np	Ci	9.38E-01	4.32E-01	8.18E-01	1.31E+00	3.64E-01	1.62E-01	9.31E-01	5.11E-01	1.04E+00	6.81E-01
238-Pu	Ci	4.54E+00	5.39E+00	9.74E+00	3.13E+00	9.26E-01	8.70E+00	2.29E+00	1.66E+00	3.66E+00	1.05E+00
238-U	Ci	5.41E-01	2.36E+00	3.16E+00	1.94E-01	2.85E+00	4.14E+00	6.66E-01	4.77E+00	8.81E+00	3.34E+00
239-Pu	Ci	1.72E+02	1.98E+02	3.53E+02	1.13E+02	3.60E+01	5.14E+01	8.27E+01	6.53E+01	1.31E+02	3.76E+01
240-Pu	Ci	2.99E+01	3.35E+01	6.02E+01	1.93E+01	5.88E+00	8.41E+00	1.41E+01	1.06E+01	2.25E+01	6.45E+00
241-Am	Ci	6.59E+01	9.54E+01	1.72E+02	5.63E+01	1.59E+01	1.11E+01	4.02E+01	3.54E+01	6.42E+01	1.84E+01
241-Pu	Ci	3.40E+02	3.88E+02	7.02E+02	2.26E+02	6.59E+01	9.53E+01	1.65E+02	1.18E+02	2.64E+02	7.57E+01
242-Cm	Ci	1.17E-03	2.23E-02	2.11E-02	3.19E-03	2.76E-03	6.65E-03	5.39E-04	6.71E-03	8.50E-04	3.41E-04
242-Pu	Ci	1.37E-03	1.87E-03	3.37E-03	1.09E-03	3.17E-04	4.58E-04	7.94E-04	5.69E-04	1.27E-03	3.64E-04
243-Am	Ci	2.27E-03	3.27E-03	5.92E-03	1.95E-03	5.46E-04	3.71E-04	1.39E-03	1.22E-03	2.21E-03	6.38E-04
243-Cm	Ci	2.62E-05	4.56E-04	4.31E-04	6.56E-05	5.68E-05	1.36E-04	1.09E-05	1.38E-04	1.72E-05	6.97E-06
244-Cm	Ci	3.08E-04	6.41E-04	9.71E-04	2.86E-04	1.02E-04	1.28E-04	1.85E-04	2.42E-04	2.94E-04	8.58E-05
3-H	Ci	1.93E+02	8.84E+01	1.68E+02	2.70E+02	7.46E+01	3.29E+01	1.31E+02	1.04E+02	2.14E+02	1.40E+02
59-Ni	Ci	5.04E+00	4.40E+00	6.36E+00	8.26E+00	2.88E+00	2.89E+00	4.99E+00	4.64E+00	5.58E+00	3.74E+00
60-Co	Ci	4.70E+01	4.14E+01	4.06E+01	6.55E+01	1.80E+01	7.64E+00	4.66E+01	2.51E+01	5.21E+01	3.41E+01
63-Ni	Ci	5.33E+02	4.44E+02	6.54E+02	8.63E+02	2.96E+02	2.87E+02	5.28E+02	4.72E+02	5.91E+02	3.94E+02
79-Se	Ci	4.22E+00	1.94E+00	3.68E+00	5.90E+00	1.64E+00	7.31E-01	2.87E+00	2.30E+00	4.68E+00	3.06E+00
90-Sr	Ci	7.45E+04	8.84E+05	1.90E+05	5.18E+05	3.38E+04	1.94E+05	1.12E+05	2.71E+05	6.15E+04	1.45E+05
90-Y	Ci	7.45E+04	8.81E+05	1.89E+05	5.21E+05	3.38E+04	1.94E+05	1.12E+05	2.72E+05	6.15E+04	1.44E+05
93-Zr	Ci	2.04E+01	9.37E+00	1.78E+01	2.84E+01	7.89E+00	3.52E+00	2.02E+01	1.11E+01	2.26E+01	1.47E+01
93m-Nb	Ci	1.47E+01	6.81E+00	1.29E+01	2.06E+01	5.74E+00	2.58E+00	1.46E+01	8.06E+00	1.63E+01	1.07E+01
99-Tc	Ci	2.80E+02	1.28E+02	4.75E+01	3.92E+02	1.08E+02	4.70E+01	1.92E+02	1.51E+02	3.10E+02	2.03E+02
Ag+	kg	1.79E-07	3.74E-06	2.91E-06	3.71E-06	1.36E-06	1.96E-06	1.19E-06	3.32E-06	3.75E-06	6.89E-07
Al+3	kg	5.49E+04	6.50E+04	5.85E+04	6.24E+02	6.74E+04	5.19E+04	5.99E+04	4.55E+04	6.82E+04	2.93E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	2.75E+00	3.68E+00	3.35E+00	2.76E+00	1.87E+00	1.81E+00	1.25E+00	2.75E+00	2.32E+00	1.58E+00
Be+2	kg	0.00E+00									
Bi+3	kg	1.74E+02	6.33E+01	9.91E+02	1.17E+02	8.13E+01	6.45E+02	2.53E+02	1.11E+02	0.00E+00	0.00E+00
Ca+2	kg	1.19E+03	2.68E+03	3.90E+04	6.34E+03	3.48E+03	4.39E+03	5.73E+02	9.54E+03	8.40E+02	3.28E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 10 of 30)

Species	Units	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109	BY-110	BY-111	BY-112
Cd+2	kg	0.00E+00									
Ce+3	kg	1.35E+02	2.66E+03	2.04E+03	2.62E+03	9.55E+02	1.50E+03	8.45E+02	2.36E+03	2.67E+03	4.89E+02
Cl-	kg	4.39E+03	5.01E+03	1.48E+03	0.00E+00	4.29E+03	2.01E+03	2.36E+03	6.67E+03	2.97E+03	1.85E+03
CN-	kg	0.00E+00	8.84E+03	8.37E+03	8.10E+03	6.15E+03	1.54E+04	0.00E+00	1.38E+04	0.00E+00	3.54E+02
Co+3	kg	0.00E+00									
CO3-2	kg	2.48E+05	1.60E+05	1.48E+05	1.07E+05	8.11E+04	3.48E+04	2.95E+04	3.36E+05	2.66E+05	3.27E+05
Cr(TOTAL)	kg	3.84E+03	9.89E+03	1.39E+03	2.61E+03	6.47E+03	3.32E+02	2.89E+03	7.13E+03	5.62E+03	2.81E+04
Cs+	kg	7.55E+00	7.28E+00	3.89E+00	0.00E+00	8.01E+00	1.16E+01	4.79E+00	7.15E+00	7.51E+00	5.65E+00
Cu+2	kg	0.00E+00									
F-	kg	1.24E+04	1.00E+04	7.37E+03	1.74E+04	7.32E+03	8.61E+03	7.42E+04	1.34E+04	2.62E+04	1.51E+04
Fe+3	kg	1.92E+03	8.83E+03	1.10E+04	2.20E+04	9.40E+03	9.37E+03	2.21E+03	1.42E+04	1.63E+04	4.76E+03
H2O	kg	0.00E+00									
Hg+2	kg	6.54E+00	0.00E+00	0.00E+00	0.00E+00	7.65E+00	0.00E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00
K+	kg	4.37E+03	7.32E+03	1.58E+03	9.04E+02	6.68E+03	3.45E+03	3.73E+03	5.64E+03	4.65E+03	2.74E+03
La+3	kg	0.00E+00	0.00E+00	3.63E-01	0.00E+00						
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	2.29E+02	1.67E+02	1.79E+02	0.00E+00	1.19E+02	2.72E+02	5.84E+02	2.45E+02	2.92E+02	4.70E+02
Mo+6	kg	0.00E+00									
Na+	kg	5.49E+05	4.75E+05	6.36E+05	4.60E+05	4.50E+05	2.12E+05	3.71E+05	5.70E+05	6.57E+05	5.37E+05
Nd+3	kg	0.00E+00									
NH3	kg	3.39E+02	2.99E+03	2.98E+03	2.26E+03	1.55E+03	3.02E+03	3.35E+02	3.09E+03	3.75E+02	3.59E+02
Ni+2	kg	3.81E+02	2.51E+03	2.92E+03	1.92E+04	7.50E+03	3.27E+03	3.01E+02	4.49E+03	2.88E+02	7.80E+03
NO2-	kg	6.08E+04	7.54E+04	1.91E+04	0.00E+00	6.97E+04	3.56E+04	4.53E+04	8.74E+04	3.87E+04	3.28E+04
NO3-	kg	8.48E+05	5.64E+05	1.32E+06	9.33E+05	4.04E+05	2.62E+05	1.16E+05	4.34E+05	4.17E+05	1.18E+05
OH(BOUND)	kg	7.94E+04	1.86E+05	1.23E+05	7.64E+04	2.62E+05	1.28E+05	1.33E+05	1.39E+05	1.62E+05	2.14E+05
OH-	kg	0.00E+00									
Pb+2	kg	2.54E+02	4.10E+02	4.29E+02	2.20E+02	6.29E+02	5.72E+02	2.76E+02	1.42E+03	2.23E+02	1.26E+03
Pd+2	kg	0.00E+00									
PO4-3	kg	2.10E+04	2.42E+04	4.42E+04	5.20E+04	4.74E+04	4.03E+04	1.33E+05	4.80E+04	5.46E+04	2.67E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	2.80E+03	9.37E+02	2.36E+04	6.51E+02	2.34E+03	1.99E+03	9.31E+03	1.63E+03	9.41E+04	3.91E+03
SO4-2	kg	3.48E+04	3.74E+04	2.21E+04	3.62E+04	3.12E+04	3.05E+04	1.22E+05	4.79E+04	9.38E+04	4.02E+04
Sr+2	kg	1.70E+02	5.02E+03	5.02E+03	1.52E+02	2.69E+03	4.16E+03	1.75E+02	4.33E+03	1.73E+02	2.46E+00
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	9.90E+03	1.47E+04	8.31E+03	1.31E+04	8.17E+03	5.84E+03	1.20E+04	1.86E+04	1.66E+04	1.37E+04
U(TOTAL)	kg	1.45E+00	0.00E+00	1.30E+01	0.00E+00	1.16E+00	0.00E+00	1.98E+00	3.88E+01	3.78E+01	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	5.97E+01	2.85E+01	2.62E+01	0.00E+00	9.51E+01	4.52E+01	9.27E+01	4.08E+01	2.36E+01	1.39E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 11 of 30)

Species	Units	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109	C-110
106-Ru	Ci	1.78E-05	8.97E-04	2.63E-03	1.14E-01	5.49E-07	1.00E-01	1.99E-01	5.59E-09	6.59E-05	2.01E-10
113m-Cd	Ci	1.87E-01	7.63E-01	3.04E+01	1.49E+02	2.86E-01	1.44E+01	2.36E+02	1.62E-01	6.59E-01	1.25E-01
125-Sb	Ci	8.52E-02	0.00E+00	3.71E+01	9.20E+00	8.88E-02	4.71E+00	6.23E+00	1.31E-02	5.47E-02	4.62E-03
126-Sn	Ci	2.00E-02	6.16E-02	8.65E+00	2.42E+01	2.76E-02	7.72E+00	4.14E+01	2.15E-02	8.99E-02	1.92E-02
129-I	Ci	4.54E-02	2.58E-03	4.48E-03	1.57E-02	6.23E-02	1.49E-02	7.80E-03	8.84E-04	1.54E-03	7.91E-04
134-Cs	Ci	4.46E-03	1.20E-01	1.93E+00	7.34E-01	2.26E-03	2.01E-01	7.45E-01	3.36E-03	1.23E-02	7.32E-05
137-Cs	Ci	4.21E+04	6.25E+04	5.94E+04	1.03E+05	6.55E+04	1.32E+05	3.06E+04	9.05E+04	2.37E+05	1.83E+04
137m-Ba	Ci	3.99E+04	5.92E+04	5.65E+04	9.79E+04	6.19E+04	1.24E+05	2.89E+04	8.61E+04	2.24E+05	1.74E+04
14-C	Ci	2.76E-01	2.11E-01	1.54E-01	1.18E+00	4.46E-01	1.09E+00	5.93E-01	6.78E-02	5.71E-03	3.12E-01
151-Sm	Ci	4.84E+01	1.29E+02	2.03E+04	5.63E+04	6.47E+01	1.81E+04	9.63E+04	5.34E+01	2.16E+02	4.87E+01
152-Eu	Ci	1.68E-01	1.03E+00	8.46E+00	1.49E+01	1.45E-01	1.45E+01	2.40E+01	1.36E-01	2.52E+00	5.98E-03
154-Eu	Ci	5.72E-01	1.01E+02	7.02E+03	1.50E+03	9.96E-01	2.63E+01	3.43E+03	2.58E-01	1.76E+00	1.15E-01
155-Eu	Ci	1.20E+01	1.11E+02	6.33E+03	9.26E+02	8.56E+00	8.88E+02	3.35E+03	1.03E+01	1.67E+02	9.07E-01
226-Ra	Ci	4.02E-06	7.53E-04	6.98E-04	4.88E-03	2.28E-06	9.85E-04	3.11E-03	4.21E-06	2.64E-04	5.50E-06
227-Ac	Ci	1.56E-02	1.77E+01	3.66E-03	6.94E+01	1.18E-05	4.87E-03	3.92E-02	2.14E-05	1.29E-03	2.77E-05
228-Ra	Ci	5.10E-03	5.41E+00	5.10E-02	2.22E+01	2.46E-10	7.75E-05	7.54E-03	5.27E-10	2.39E-09	8.14E-11
229-Th	Ci	2.32E-03	1.59E-01	1.22E-03	4.94E-01	4.79E-08	3.64E-05	3.42E-03	1.02E-07	4.45E-07	1.57E-08
231-Pa	Ci	2.31E-02	2.97E+01	5.48E-03	1.25E+02	2.77E-05	4.82E-03	5.81E-02	4.62E-05	1.05E-04	5.76E-05
232-Th	Ci	2.37E-04	3.21E-02	5.98E-03	1.23E+00	2.03E-11	8.34E-06	3.51E-04	1.96E-11	3.31E-11	1.91E-11
232-U	Ci	1.09E-01	8.69E-01	5.37E-02	1.47E+01	1.13E-04	1.33E-03	3.27E-02	5.78E-07	1.48E-05	8.16E-06
233-U	Ci	4.22E-01	3.37E+00	2.05E-01	5.63E+01	3.80E-06	5.10E-03	1.28E-01	3.45E-08	8.80E-07	4.89E-07
234-U	Ci	1.72E+00	5.44E+00	5.89E-01	1.36E+01	2.16E+00	1.01E-01	1.28E+00	4.86E-02	1.23E+00	6.87E-01
235-U	Ci	7.41E-02	2.27E-01	2.51E-02	5.36E-01	9.21E-02	4.30E-03	5.71E-02	2.18E-03	5.53E-02	3.09E-02
236-U	Ci	3.00E-02	1.52E-01	1.08E-02	6.00E-01	3.73E-02	1.80E-03	1.23E-02	3.11E-04	7.96E-03	4.40E-03
237-Np	Ci	2.78E-03	8.95E-03	1.37E-01	2.79E-02	3.80E-03	2.43E-02	1.45E-02	2.89E-03	9.66E-02	2.55E-03
238-Pu	Ci	1.65E+01	1.70E+02	7.74E+01	2.05E+02	2.05E+01	1.30E+01	3.82E+01	1.21E-02	2.16E+00	2.35E-01
238-U	Ci	1.71E+00	5.18E+00	5.98E-01	1.15E+01	2.21E+00	1.02E-01	1.29E+00	4.91E-02	1.24E+00	6.96E-01
239-Pu	Ci	8.08E+02	5.88E+03	4.67E+03	4.70E+03	1.31E+03	2.65E+02	1.15E+03	3.08E+00	9.20E+01	7.40E+01
240-Pu	Ci	1.35E+02	1.08E+03	7.22E+02	9.25E+02	2.01E+02	5.42E+01	2.09E+02	1.99E-01	1.50E+01	4.33E+00
241-Am	Ci	4.87E+02	1.45E+03	9.06E+02	6.76E+03	7.86E+02	2.20E+02	1.60E+03	1.15E-01	4.46E+01	2.13E-02
241-Pu	Ci	1.29E+03	1.31E+04	5.63E+03	1.40E+04	1.49E+03	9.12E+02	2.77E+03	2.62E-01	1.56E+02	2.78E+00
242-Cm	Ci	8.46E+00	2.91E+01	1.18E+00	6.25E+00	8.89E+00	3.47E-01	1.34E+00	2.47E-03	7.74E-02	2.40E-05
242-Pu	Ci	4.01E-03	5.00E-02	2.25E-02	8.13E-02	5.69E-03	5.77E-03	1.45E-02	1.05E-06	7.64E-04	8.51E-06
243-Am	Ci	4.27E-03	1.37E-01	2.09E-02	3.51E-01	7.36E-03	1.16E-02	8.39E-02	7.91E-07	1.06E-03	5.96E-08
243-Cm	Ci	1.98E-01	2.65E+00	7.54E-02	5.73E-01	2.11E-01	3.17E-02	1.21E-01	5.05E-05	4.03E-03	3.57E-07
244-Cm	Ci	1.59E-01	5.90E+01	5.20E-01	2.20E+01	3.54E-01	7.44E-01	4.92E+00	1.86E-05	1.94E-03	9.14E-07
3-H	Ci	4.27E-01	1.46E+00	3.19E+01	1.02E+01	5.92E-01	1.30E+00	6.64E+00	4.12E-01	2.05E+00	1.06E+00
59-Ni	Ci	1.65E-02	3.83E-02	1.00E+01	2.47E+01	2.25E-02	1.87E+01	4.33E+01	5.02E-01	4.62E+00	1.64E-02
60-Co	Ci	9.88E+01	6.07E+02	1.28E+03	4.15E+02	1.59E+02	1.18E+00	7.54E+02	1.47E-02	3.30E-02	8.55E-03
63-Ni	Ci	1.63E+00	4.02E+00	1.05E+03	2.59E+03	2.27E+00	1.97E+03	4.55E+03	4.82E+01	4.68E+02	1.53E+00
79-Se	Ci	1.32E-02	4.42E-02	5.34E+00	1.51E+01	1.79E-02	4.74E+00	2.57E+01	1.43E-02	5.76E-02	1.81E+00
90-Sr	Ci	2.74E+05	1.81E+05	1.87E+06	6.29E+05	3.85E+05	1.11E+05	1.66E+06	9.45E+03	2.21E+05	4.62E+03
90-Y	Ci	2.74E+05	1.82E+05	1.87E+06	6.31E+05	3.84E+05	1.11E+05	1.67E+06	9.47E+03	2.21E+05	4.63E+03
93-Zr	Ci	6.23E-02	1.87E-01	2.28E+01	6.56E+01	8.47E-02	1.98E+01	1.11E+02	6.81E-02	2.61E-01	6.16E-02
93m-Nb	Ci	5.12E-02	1.40E-01	2.01E+01	5.57E+01	6.81E-02	1.79E+01	9.55E+01	5.74E-02	2.21E-01	5.31E-02
99-Tc	Ci	4.02E+01	1.23E+00	1.97E+02	3.10E+01	5.48E+01	7.71E+00	1.05E+02	4.71E-01	3.07E+01	3.22E+01
Ag+	kg	5.34E-07	3.45E-16	2.24E-16	1.43E-16	8.32E-06	0.00E+00	2.21E-08	1.65E-11	1.70E-08	3.28E-18
Al+3	kg	2.03E+04	9.70E+04	8.73E+03	8.06E+04	3.22E+04	9.22E+03	3.94E+04	1.82E+04	2.43E+04	1.41E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	1.50E+01	3.46E-01	1.48E+01	1.10E+00	4.53E+01	1.62E+01	2.31E-01	4.60E-01	6.15E-01	7.57E-02
Be+2	kg	0.00E+00									
Bi+3	kg	2.75E+02	4.19E+03	4.28E+02	2.83E+00	3.26E+02	1.90E-01	1.73E+04	2.22E+03	4.93E+02	1.64E+04
Ca+2	kg	2.51E+03	8.33E+03	6.69E+03	3.43E+03	4.06E+03	2.51E+02	1.58E+03	4.45E+03	5.52E+03	1.14E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 12 of 30)

Species	Units	C-101	C-102	C-103	C-104	C-105	C-106	C-107	C-108	C-109	C-110
Cd+2	kg	0.00E+00									
Ce+3	kg	1.66E-01	7.66E-15	2.04E-07	2.53E-13	7.09E-03	1.61E-37	1.71E+01	3.57E-01	5.62E+01	2.88E-07
Cl-	kg	2.30E+02	2.51E+03	2.25E+02	9.67E+02	1.94E+02	7.37E+01	8.08E+02	2.54E+02	2.12E+02	1.06E+03
CN-	kg	0.00E+00	3.23E+03	1.21E+04	0.00E+00						
Co+3	kg	0.00E+00									
CO3-2	kg	6.84E+03	1.24E+05	1.31E+04	6.38E+04	5.15E+03	3.44E+04	8.03E+03	5.10E+03	7.88E+03	1.02E+04
Cr(TOTAL)	kg	3.29E+02	8.83E+02	3.67E+02	1.80E+03	4.91E+02	1.21E+02	9.32E+02	9.40E+01	7.23E+01	4.59E+02
Cs+	kg	1.40E+00	2.08E+00	1.97E+00	3.42E+00	2.18E+00	4.39E+00	1.02E+00	3.01E+00	7.88E+00	6.08E-01
Cu+2	kg	0.00E+00									
F-	kg	0.00E+00	6.50E+03	5.73E+02	3.66E+04	0.00E+00	6.19E+01	7.75E+03	1.32E+03	2.02E+02	7.41E+03
Fe+3	kg	7.41E+03	1.46E+04	5.23E+04	4.20E+04	5.52E+03	1.20E+04	4.58E+04	2.51E+03	5.41E+03	1.07E+04
H2O	kg	0.00E+00									
Hg+2	kg	4.00E+01	2.73E+02	2.69E+01	1.52E+02	9.81E+01	6.33E+00	9.63E+01	9.24E+00	3.19E+00	4.35E-01
K+	kg	3.58E+02	1.90E+03	8.27E+02	1.87E+03	5.78E+02	1.78E+02	2.76E+02	7.44E+01	1.57E+02	5.46E+02
La+3	kg	0.00E+00	2.03E+02	5.07E-02	5.51E+01	1.70E+02	1.36E+01	1.13E+02	0.00E+00	1.27E+01	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	8.25E+02	2.51E+03	1.50E+03	7.17E+03	1.29E+03	4.13E+02	1.82E+03	3.80E+01	3.70E+01	5.17E+01
Mo+6	kg	0.00E+00									
Na+	kg	4.51E+04	1.35E+05	2.82E+04	1.99E+05	3.74E+04	3.38E+04	8.01E+04	3.29E+04	2.54E+04	8.08E+04
Nd+3	kg	0.00E+00									
NH3	kg	1.30E+00	5.54E+02	3.25E+02	1.30E+03	2.26E+00	1.56E+03	1.29E+03	3.29E+02	8.41E+02	9.55E+02
Ni+2	kg	7.09E+02	1.09E+04	1.71E+03	3.23E+03	1.12E+03	1.16E+02	1.52E+03	2.94E+03	4.05E+03	2.36E+01
NO2-	kg	5.32E+03	2.20E+04	9.12E+03	4.45E+04	1.64E+04	4.71E+03	2.07E+04	8.65E+03	1.18E+04	6.72E+03
NO3-	kg	3.74E+04	6.74E+04	1.22E+03	3.01E+04	5.47E+03	4.51E+02	5.17E+04	1.56E+04	1.16E+04	1.07E+05
OH(BOUND)	kg	3.91E+04	1.44E+05	6.12E+04	3.17E+05	6.50E+04	2.45E+04	1.00E+05	3.74E+04	5.44E+04	1.16E+04
OH-	kg	0.00E+00									
Pb+2	kg	3.63E+02	1.40E+03	2.14E+03	1.16E+03	4.68E+02	4.46E+02	2.26E+03	0.00E+00	9.71E+02	2.52E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	2.53E+04	1.47E+04	5.50E+03	5.96E+03	4.03E+03	1.39E+03	7.01E+04	2.87E+04	1.62E+04	6.10E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	1.29E+04	5.89E+04	6.37E+03	1.18E+04	2.08E+04	4.70E+03	1.08E+04	1.35E+03	1.95E+03	6.99E+03
SO4-2	kg	1.01E+03	5.68E+03	1.49E+03	5.39E+03	8.75E+02	1.39E+03	5.63E+03	2.92E+03	2.23E+03	1.45E+04
Sr+2	kg	5.82E+01	1.13E+02	5.55E+01	1.13E+02	9.30E+01	6.88E+00	1.28E+02	1.62E-01	1.07E+02	1.27E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	4.76E+02	1.88E+03	2.52E+03	1.40E+04	5.23E+02	3.82E+03	3.99E+03	4.38E+02	8.24E+02	6.60E+02
U(TOTAL)	kg	8.67E+00	1.41E+01	6.49E+00	2.89E+01	1.32E+01	1.89E+00	0.00E+00	0.00E+00	1.58E+01	2.31E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	2.32E+02	8.94E+03	7.40E+03	9.11E+04	3.72E+02	1.39E+02	1.70E+03	2.39E+00	1.37E+00	1.68E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 13 of 30)

Species	Units	C-111	C-112	C-201	C-202	C-203	C-204	S-101	S-102	S-103	S-104
106-Ru	Ci	6.59E-08	1.16E-05	9.40E-06	9.44E-06	9.40E-06	9.40E-06	6.09E-03	5.92E-03	4.92E-03	1.46E-03
113m-Cd	Ci	8.15E-02	5.10E-01	5.88E-02	5.62E-02	6.66E-02	6.14E-02	8.65E+01	8.00E+01	6.74E+01	3.12E+01
125-Sb	Ci	1.35E-02	5.62E-02	4.67E-03	4.57E-03	4.96E-03	4.76E-03	1.42E+02	1.55E+02	1.27E+02	2.31E+01
126-Sn	Ci	9.99E-03	6.55E-02	8.28E-03	7.89E-03	9.48E-03	8.68E-03	7.89E+00	4.77E+00	4.11E+00	6.81E+00
129-I	Ci	4.13E-04	2.40E-03	3.18E-05	1.54E-05	8.12E-05	4.84E-05	4.40E-01	5.05E-01	2.84E-01	1.16E-01
134-Cs	Ci	1.64E-03	2.03E-02	4.52E-06	4.43E-06	4.81E-06	4.62E-06	2.69E+00	2.89E+00	1.70E+00	1.42E+00
137-Cs	Ci	1.21E+04	2.47E+05	1.76E+02	9.22E+01	3.18E+02	1.34E+02	3.58E+05	2.14E+05	1.92E+05	1.10E+05
137m-Ba	Ci	1.15E+04	2.34E+05	1.66E+02	8.66E+01	3.01E+02	1.26E+02	3.39E+05	2.03E+05	1.81E+05	1.04E+05
14-C	Ci	3.15E-02	2.73E+00	1.14E-02	1.13E-03	4.24E-02	2.18E-02	3.18E+01	5.35E+01	2.83E+01	1.64E+00
151-Sm	Ci	2.46E+01	1.61E+02	1.95E+01	1.85E+01	2.26E+01	2.05E+01	1.84E+04	1.12E+04	9.55E+03	1.58E+04
152-Eu	Ci	4.10E-02	7.38E-01	3.25E-01	3.25E-01	3.27E-01	3.25E-01	8.51E+00	4.32E+00	3.32E+00	8.28E+00
154-Eu	Ci	1.80E-01	5.48E+02	1.91E-01	1.89E-01	1.98E-01	1.93E-01	5.75E+02	3.86E+02	1.12E+03	1.60E+02
155-Eu	Ci	2.89E+00	6.51E+02	2.12E+01	2.12E+01	2.13E+01	2.13E+01	4.48E+02	8.56E+02	1.10E+03	4.10E+02
226-Ra	Ci	1.88E-06	4.71E-05	3.73E-05	3.68E-05	3.88E-05	3.78E-05	6.48E-04	2.19E-04	1.52E-04	7.28E-04
227-Ac	Ci	9.55E-06	2.10E-03	1.81E-04	1.80E-04	1.85E-04	1.82E-04	3.30E-03	1.20E-03	8.83E-04	3.62E-03
228-Ra	Ci	1.31E-10	6.11E-04	2.09E-10	2.06E-10	2.19E-10	2.12E-10	1.08E-01	9.92E-02	5.29E-02	9.62E-03
229-Th	Ci	2.53E-08	2.77E-04	3.79E-08	3.72E-08	3.98E-08	3.85E-08	2.55E-03	2.43E-03	1.33E-03	2.32E-04
231-Pa	Ci	2.06E-05	2.89E-03	6.05E-06	4.87E-06	9.68E-06	7.27E-06	7.04E-03	3.90E-03	3.37E-03	6.61E-03
232-Th	Ci	8.83E-12	2.85E-05	6.65E-13	2.69E-13	1.86E-12	1.06E-12	6.96E-03	1.10E-02	5.52E-03	1.29E-04
232-U	Ci	2.98E-05	2.33E-01	8.45E-09	2.65E-08	1.53E-08	6.42E-09	8.80E-01	1.53E+00	2.85E-01	8.65E-02
233-U	Ci	1.33E-06	9.02E-01	5.06E-10	6.96E-10	9.14E-10	3.84E-10	3.37E+00	5.88E+00	1.09E+00	3.31E-01
234-U	Ci	1.39E+00	1.20E+01	7.12E-04	3.79E-04	1.29E-03	5.41E-04	4.27E+00	1.82E+00	3.21E-01	4.20E+00
235-U	Ci	6.20E-02	5.27E-01	3.22E-05	1.60E-05	5.79E-05	2.42E-05	1.78E-01	7.41E-02	1.30E-02	1.71E-01
236-U	Ci	1.24E-02	1.49E-01	4.55E-06	8.80E-06	8.22E-06	3.46E-06	1.16E-01	5.67E-02	1.00E-02	7.51E-02
237-Np	Ci	1.35E-03	3.47E-01	7.68E-05	2.41E-05	2.36E-04	1.30E-04	8.74E-01	9.52E-01	5.41E-01	2.80E-01
238-Pu	Ci	3.24E+00	5.48E+00	2.93E+00	7.64E-01	6.98E-01	7.57E-03	1.14E+01	3.87E+00	4.90E+00	1.13E+01
238-U	Ci	1.42E+00	1.21E+01	7.23E-04	3.77E-04	1.30E-03	5.48E-04	4.03E+00	1.66E+00	2.92E-01	4.07E+00
239-Pu	Ci	2.10E+02	6.00E+01	1.24E+02	3.23E+01	2.95E+01	3.20E-01	6.65E+02	1.43E+02	1.92E+02	4.31E+02
240-Pu	Ci	3.17E+01	9.53E+00	2.04E+01	5.31E+00	4.85E+00	5.26E-02	9.68E+01	2.37E+01	3.08E+01	8.34E+01
241-Am	Ci	1.19E-01	2.19E+02	4.19E+01	1.09E+01	9.95E+00	1.08E-01	1.43E+02	1.52E+02	1.40E+02	7.45E+01
241-Pu	Ci	2.34E+02	8.27E+01	2.12E+02	5.52E+01	5.04E+01	5.47E-01	6.66E+02	2.60E+02	3.47E+02	4.61E+02
242-Cm	Ci	1.71E-03	1.30E-01	6.75E-02	1.76E-02	1.60E-02	1.74E-04	2.82E-01	3.87E-01	3.70E-01	6.71E-02
242-Pu	Ci	8.93E-04	3.01E-04	1.04E-03	2.71E-04	2.48E-04	2.69E-06	3.12E-03	1.41E-03	1.76E-03	6.61E-03
243-Am	Ci	9.57E-07	5.00E-03	1.00E-03	2.61E-04	2.39E-04	2.59E-06	4.68E-03	5.20E-03	4.84E-03	2.29E-03
243-Cm	Ci	3.75E-05	3.64E-02	3.70E-03	9.60E-04	8.78E-04	9.55E-06	1.96E-02	3.55E-02	3.35E-02	1.54E-03
244-Cm	Ci	3.80E-05	8.74E-01	1.79E-03	4.67E-04	4.27E-04	4.63E-06	1.76E-01	3.52E-01	3.28E-01	1.23E-03
3-H	Ci	1.66E-01	2.55E+01	4.41E-03	8.19E-04	1.52E-02	8.01E-03	2.73E+02	2.28E+02	1.29E+02	5.72E+00
59-Ni	Ci	2.10E-01	8.86E+00	3.97E-01	3.97E-01	3.98E-01	3.98E-01	8.64E+00	1.96E+00	2.08E+00	9.55E+00
60-Co	Ci	9.09E-03	4.58E-02	1.36E-03	1.19E-03	1.90E-03	1.54E-03	3.38E+01	5.37E+01	1.91E+02	6.68E+00
63-Ni	Ci	2.02E+01	9.13E+02	4.15E+01	4.15E+01	4.15E+01	4.15E+01	8.76E+02	2.00E+02	2.16E+02	9.68E+02
79-Se	Ci	6.64E-03	2.39E-01	5.21E-03	4.94E-03	6.01E-03	5.48E-03	5.18E+00	3.16E+00	2.71E+00	4.44E+00
90-Sr	Ci	1.17E+06	1.25E+06	9.28E+02	1.46E+04	9.32E+03	7.05E+02	6.90E+05	1.19E+05	4.19E+04	5.48E+05
90-Y	Ci	1.17E+06	1.25E+06	9.30E+02	1.46E+04	9.30E+03	7.07E+02	6.91E+05	1.19E+05	4.19E+04	5.50E+05
93-Zr	Ci	3.14E-02	2.04E-01	2.31E-02	2.18E-02	2.69E-02	2.43E-02	2.50E+01	1.55E+01	1.33E+01	2.10E+01
93m-Nb	Ci	2.64E-02	1.72E-01	1.95E-02	1.84E-02	2.28E-02	2.06E-02	1.92E+01	1.13E+01	9.72E+00	1.71E+01
99-Tc	Ci	2.19E-01	7.99E+01	1.68E-02	7.95E-03	4.32E-02	2.56E-02	2.29E+02	2.61E+02	1.47E+02	4.42E+01
Ag+	kg	1.33E-08	9.92E-09	5.58E-12	1.12E-24	1.37E-17	2.41E-13	9.56E-07	2.35E-15	8.46E-16	1.26E-07
Al+3	kg	3.59E+04	1.18E+04	5.21E+01	2.72E+01	9.41E+01	3.96E+01	2.01E+05	2.33E+04	2.85E+04	2.14E+05
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	5.84E-01	3.06E-01	8.80E-04	1.08E-02	1.04E-02	1.66E-06	3.16E+00	3.05E+00	3.91E+00	2.68E+00
Be+2	kg	0.00E+00									
Bi+3	kg	4.63E+02	7.40E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E+02	1.36E+02	8.12E+01	0.00E+00
Ca+2	kg	3.29E+03	1.60E+04	2.37E+02	1.23E+02	4.27E+02	1.80E+02	8.41E+02	1.12E+03	3.27E+02	7.72E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 14 of 30)

Species	Units	C-111	C-112	C-201	C-202	C-203	C-204	S-101	S-102	S-103	S-104
Cd+2	kg	0.00E+00									
Ce+3	kg	3.45E+01	1.57E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E+02	4.35E-06	6.51E-06	0.00E+00
Cl-	kg	1.94E+02	7.34E+02	6.62E+00	9.40E+00	1.18E+02	4.94E+01	6.71E+03	6.05E+03	5.14E+03	5.84E+03
CN-	kg	1.35E+03	1.94E+04	0.00E+00							
Co+3	kg	0.00E+00									
CO3-2	kg	1.96E+03	1.28E+04	9.18E+02	9.80E+02	1.18E+03	9.66E+02	4.87E+04	4.83E+04	4.93E+04	7.56E+03
Cr(TOTAL)	kg	3.23E+01	1.88E+02	4.38E+00	2.29E+00	7.91E+00	3.32E+00	1.85E+04	5.78E+03	6.39E+03	4.29E+03
Cs+	kg	4.02E-01	8.21E+00	5.85E-03	3.05E-03	1.06E-02	4.45E-03	1.19E+01	7.12E+00	6.40E+00	3.66E+00
Cu+2	kg	0.00E+00									
F-	kg	3.60E+02	4.70E+02	2.38E+01	2.18E+01	2.94E+01	1.24E+01	5.72E+02	9.62E+03	2.06E+03	2.65E+02
Fe+3	kg	1.54E+04	1.62E+04	2.02E+03	1.05E+03	3.65E+03	1.53E+03	3.52E+03	1.71E+03	1.60E+03	3.14E+03
H2O	kg	0.00E+00									
Hg+2	kg	2.31E+01	1.64E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E+01	0.00E+00	0.00E+00	1.74E+01
K+	kg	4.66E+01	4.06E+02	1.30E+01	6.80E+00	2.35E+01	9.89E+00	1.69E+03	1.32E+03	1.49E+03	5.48E+02
La+3	kg	1.21E+02	3.86E+01	2.28E+01	1.19E+01	4.12E+01	1.73E+01	3.75E+00	6.43E+01	3.60E+01	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	8.62E+01	1.92E+02	3.26E-01	1.71E-01	0.00E+00	0.00E+00	3.99E+03	7.73E+02	5.08E+02	2.10E+03
Mo+6	kg	0.00E+00									
Na+	kg	7.58E+03	7.66E+04	8.79E+02	4.59E+02	1.59E+03	6.67E+02	3.21E+05	3.48E+05	2.46E+05	2.21E+05
Nd+3	kg	0.00E+00									
NH3	kg	2.59E+02	1.18E+03	1.62E+01	1.62E+01	1.62E+01	1.62E+01	1.72E+03	6.57E+01	1.48E+02	2.15E+03
Ni+2	kg	5.81E+03	9.16E+03	2.60E+02	1.36E+02	4.71E+02	1.98E+02	2.30E+02	5.84E+01	1.76E+02	1.02E+02
NO2-	kg	5.33E+03	3.62E+04	7.95E+01	2.03E+02	5.88E+01	2.47E+01	9.93E+04	5.63E+04	6.12E+04	4.73E+04
NO3-	kg	1.09E+04	4.83E+04	4.31E+02	6.10E+02	2.24E+03	8.16E+02	3.65E+05	5.75E+05	3.26E+05	3.49E+05
OH(BOUND)	kg	8.12E+04	5.73E+04	2.28E+03	6.72E+02	2.29E+03	1.44E+04	4.72E+05	5.12E+04	8.50E+04	4.63E+05
OH-	kg	0.00E+00									
Pb+2	kg	1.61E+03	1.42E+03	1.85E+03	9.63E+02	3.33E+03	1.40E+03	1.21E+02	1.68E+02	1.28E+02	4.75E+01
Pd+2	kg	0.00E+00									
PO4-3	kg	9.55E+03	5.85E+04	1.90E+01	1.04E+01	1.53E+03	1.53E+03	9.95E+03	9.73E+04	2.57E+04	5.21E+02
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	2.50E+03	1.65E+03	1.22E+02	6.35E+01	2.20E+02	9.48E+01	3.48E+03	1.15E+03	1.12E+03	2.43E+03
SO4-2	kg	8.24E+02	9.29E+03	2.17E+01	2.87E+01	1.51E+02	8.58E+01	1.70E+04	1.69E+04	1.53E+04	4.14E+03
Sr+2	kg	4.64E+01	1.98E+02	1.59E-02	2.50E-01	1.56E-01	1.20E-02	7.51E+02	1.31E+01	2.64E+01	7.70E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	2.03E+02	1.46E+03	2.83E+02	2.55E+02	2.33E+03	2.36E+03	5.16E+03	7.54E+03	5.83E+03	2.77E+03
U(TOTAL)	kg	0.00E+00	1.61E+02	0.00E+00	1.04E-03	1.61E-02	0.00E+00	0.00E+00	6.40E+00	1.35E-01	1.31E+01
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	2.89E+01	1.89E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E+01	4.02E+01	3.37E+01	6.13E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 15 of 30)

Species	Units	S-105	S-106	S-107	S-108	S-109	S-110	S-111	S-112	SX-101	SX-102
106-Ru	Ci	6.36E-03	1.09E-02	1.03E-03	1.30E-02	4.22E-05	7.09E-03	1.25E-02	6.42E-06	3.29E-03	1.74E-02
113m-Cd	Ci	1.08E+02	1.51E+02	5.12E+00	1.80E+02	0.00E+00	9.80E+01	1.82E+02	0.00E+00	5.62E+01	2.21E+02
125-Sb	Ci	1.69E+02	2.80E+02	2.83E+00	3.34E+02	2.43E-01	1.78E+02	3.13E+02	1.15E-01	6.82E+01	4.26E+02
126-Sn	Ci	7.01E+00	9.25E+00	8.11E-01	1.10E+01	8.20E-04	5.87E+00	1.10E+01	5.11E-02	8.20E+00	1.29E+01
129-I	Ci	5.83E-01	3.60E-01	1.99E-02	4.80E-01	0.00E+00	5.38E-01	9.85E-01	3.90E-04	2.51E-01	1.21E+00
134-Cs	Ci	2.04E+00	2.42E+00	2.14E-01	3.09E+00	0.00E+00	2.14E+00	3.91E+00	3.22E-03	2.10E+00	6.31E+00
137-Cs	Ci	4.51E+05	2.27E+05	0.00E+00	3.60E+05	0.00E+00	2.30E+05	1.52E+05	0.00E+00	2.25E+05	1.89E+05
137m-Ba	Ci	4.26E+05	2.15E+05	1.11E+05	3.41E+05	0.00E+00	2.17E+05	1.44E+05	0.00E+00	2.14E+05	1.79E+05
14-C	Ci	4.24E+01	4.32E+01	1.50E+00	5.35E+01	4.07E-02	3.93E+01	7.13E+01	4.05E-02	1.77E+01	8.83E+01
151-Sm	Ci	1.64E+04	2.15E+04	1.88E+03	2.57E+04	4.71E+01	1.37E+04	2.57E+04	3.34E+01	1.90E+04	3.00E+04
152-Eu	Ci	3.91E+00	6.90E+00	3.30E+00	8.35E+00	7.82E-03	6.24E+00	8.65E+00	7.75E-02	1.04E+01	1.15E+01
154-Eu	Ci	6.80E+02	1.95E+02	2.33E+01	3.05E+03	0.00E+00	6.75E+02	4.43E+02	0.00E+00	3.32E+02	1.58E+03
155-Eu	Ci	2.23E+02	1.01E+03	1.56E+02	2.75E+03	4.56E-01	3.38E+02	4.84E+02	3.55E+00	5.21E+02	6.65E+02
226-Ra	Ci	2.33E-04	2.75E-04	4.00E-04	3.50E-04	1.94E-07	5.20E-04	5.80E-04	1.28E-05	9.48E-04	5.94E-04
227-Ac	Ci	1.39E-03	1.71E-03	1.80E-03	2.13E-03	2.40E-06	2.58E-03	3.08E-03	5.72E-05	4.66E-03	3.31E-03
228-Ra	Ci	8.40E-02	8.28E-02	7.96E-04	9.85E-02	0.00E+00	1.23E-01	1.54E-01	2.67E-04	4.61E-02	3.84E-01
229-Th	Ci	1.99E-03	2.15E-03	1.44E-05	2.57E-03	3.64E-06	2.91E-03	3.66E-03	0.00E+00	1.09E-03	9.00E-03
231-Pa	Ci	5.90E-03	7.60E-03	7.75E-04	9.12E-03	3.20E-06	4.77E-03	8.83E-03	1.38E-05	7.70E-03	1.06E-02
232-Th	Ci	5.57E-03	8.05E-03	7.85E-06	9.59E-03	1.01E-06	8.25E-03	1.08E-02	1.86E-07	2.57E-03	2.69E-02
232-U	Ci	3.94E-01	4.41E-02	0.00E+00	2.93E-01	0.00E+00	8.43E-01	6.46E-02	0.00E+00	2.63E-01	4.49E-01
233-U	Ci	1.51E+00	1.69E-01	0.00E+00	1.13E+00	0.00E+00	3.23E+00	2.48E-01	0.00E+00	1.01E+00	1.71E+00
234-U	Ci	9.44E-01	2.55E-01	6.75E+00	7.12E-01	0.00E+00	2.87E+00	1.72E-01	0.00E+00	1.19E+00	4.76E-01
235-U	Ci	3.91E-02	1.07E-02	2.66E-01	2.96E-02	0.00E+00	1.20E-01	7.16E-03	0.00E+00	4.82E-02	1.93E-02
236-U	Ci	2.61E-02	6.45E-03	3.53E-01	2.02E-02	0.00E+00	7.25E-02	4.75E-03	0.00E+00	4.45E-02	1.49E-02
237-Np	Ci	1.23E+00	6.92E-01	6.11E-02	9.23E-01	0.00E+00	1.05E+00	1.96E+00	6.06E-03	5.42E-01	2.28E+00
238-Pu	Ci	1.52E+00	8.34E-01	7.31E+01	1.22E+01	0.00E+00	1.01E+01	5.55E-01	3.61E-01	1.29E+01	6.42E+00
238-U	Ci	8.88E-01	2.44E-01	5.24E+00	6.69E-01	0.00E+00	2.73E+00	1.62E-01	0.00E+00	1.05E+00	4.34E-01
239-Pu	Ci	6.08E+01	4.42E+01	1.74E+03	4.80E+02	0.00E+00	6.01E+02	2.91E+01	2.39E+01	7.58E+02	2.88E+02
240-Pu	Ci	9.78E+00	6.54E+00	3.12E+02	7.93E+01	0.00E+00	8.77E+01	4.38E+00	3.35E+00	1.12E+02	4.53E+01
241-Am	Ci	7.52E+01	1.62E+01	1.12E+01	2.15E+02	0.00E+00	1.09E+02	1.24E+01	5.11E-01	2.05E+02	1.85E+02
241-Pu	Ci	9.95E+01	4.98E+01	3.99E+03	7.99E+02	0.00E+00	6.05E+02	3.45E+01	1.99E+01	7.51E+02	4.21E+02
242-Cm	Ci	1.35E-01	3.06E-02	9.49E-02	4.17E-01	0.00E+00	3.37E-01	2.98E-02	1.98E-03	3.10E-01	5.36E-01
242-Pu	Ci	5.31E-04	2.37E-04	2.27E-02	4.28E-03	0.00E+00	2.85E-03	1.71E-04	8.71E-05	3.62E-03	2.21E-03
243-Am	Ci	1.99E-03	4.90E-04	4.70E-04	5.98E-03	0.00E+00	3.57E-03	3.89E-04	5.76E-06	6.40E-03	6.54E-03
243-Cm	Ci	1.17E-02	2.76E-03	5.68E-03	3.68E-02	0.00E+00	2.48E-02	2.43E-03	7.54E-05	1.36E-02	4.64E-02
244-Cm	Ci	1.30E-01	3.08E-02	1.04E-01	4.03E-01	0.00E+00	2.38E-01	2.52E-02	4.39E-04	8.98E-02	4.48E-01
3-H	Ci	3.45E+02	1.68E+02	2.17E+01	2.24E+02	1.97E-01	2.88E+02	5.56E+02	1.25E-01	2.17E+02	5.92E+02
59-Ni	Ci	2.93E+00	4.95E+00	5.18E+00	6.06E+00	4.48E-04	6.94E+00	7.73E+00	1.61E-01	1.25E+01	8.26E+00
60-Co	Ci	4.18E+01	7.77E+01	3.04E+02	6.50E+02	2.77E-02	4.20E+01	7.49E+01	0.00E+00	1.72E+01	9.87E+01
63-Ni	Ci	3.03E+02	5.17E+02	5.17E+02	6.29E+02	0.00E+00	7.03E+02	7.89E+02	1.54E+01	1.26E+03	8.45E+02
79-Se	Ci	4.63E+00	6.10E+00	5.24E-01	7.31E+00	4.40E-03	3.89E+00	7.31E+00	6.60E-03	5.35E+00	8.57E+00
90-Sr	Ci	2.70E+05	3.59E+04	4.04E+05	6.37E+04	0.00E+00	3.67E+05	6.74E+05	2.93E+05	2.66E+05	2.78E+05
90-Y	Ci	2.70E+05	3.58E+04	3.62E+05	6.37E+04	6.15E+04	3.67E+05	6.75E+05	7.07E+04	2.66E+05	2.78E+05
93-Zr	Ci	2.26E+01	2.99E+01	2.50E+00	3.57E+01	5.85E-02	1.90E+01	3.57E+01	0.00E+00	2.54E+01	4.20E+01
93m-Nb	Ci	1.69E+01	2.20E+01	2.03E+00	2.62E+01	0.00E+00	1.39E+01	2.62E+01	0.00E+00	2.03E+01	3.05E+01
99-Tc	Ci	3.03E+02	1.86E+02	1.05E+01	2.49E+02	0.00E+00	2.80E+02	5.10E+02	3.88E-02	1.31E+02	6.29E+02
Ag+	kg	3.73E-07	7.16E-07	3.18E-15	1.23E-06	5.86E-06	3.38E-06	3.17E-06	2.34E-05	8.88E-17	5.32E-09
Al+3	kg	4.35E+04	3.53E+04	1.21E+05	5.14E+04	1.16E+04	1.57E+05	2.05E+05	1.82E+04	1.27E+05	5.05E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	2.06E+00	2.10E+00	1.11E+00	2.01E+00	5.03E+00	4.63E+00	4.53E+00	1.20E+01	4.22E+00	3.72E+00
Be+2	kg	0.00E+00									
Bi+3	kg	2.06E+02	2.76E+02	1.20E+02	1.68E+02	2.96E+02	1.74E+03	1.11E+02	2.07E+02	0.00E+00	1.69E+02
Ca+2	kg	7.92E+02	2.80E+02	1.19E+03	6.23E+02	2.46E+02	7.45E+02	3.57E+02	9.09E+02	1.21E+02	5.51E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 16 of 30)

Species	Units	S-105	S-106	S-107	S-108	S-109	S-110	S-111	S-112	SX-101	SX-102
Cd+2	kg	0.00E+00	0.00E+00								
Ce+3	kg	0.00E+00	1.48E-01	8.16E-07	7.27E+02	1.00E+03	9.85E+01	1.09E+02	6.81E+03	1.75E-07	2.67E+00
Cl-	kg	1.08E+04	5.15E+03	0.00E+00	1.07E+04	0.00E+00	5.17E+03	3.83E+03	0.00E+00	1.19E+04	7.22E+03
CN-	kg	0.00E+00	0.00E+00								
Co+3	kg	0.00E+00	0.00E+00								
CO3-2	kg	2.16E+04	7.64E+04	4.28E+02	1.15E+05	3.53E+04	8.25E+04	7.12E+04	6.95E+02	1.39E+04	1.07E+05
Cr(TOTAL)	kg	1.52E+04	1.17E+04	6.46E+03	1.34E+04	2.23E+03	1.67E+04	9.56E+03	8.04E+03	2.21E+04	1.33E+04
Cs+	kg	1.50E+01	7.55E+00	0.00E+00	1.20E+01	0.00E+00	7.63E+00	5.05E+00	0.00E+00	7.49E+00	6.29E+00
Cu+2	kg	0.00E+00	0.00E+00								
F-	kg	1.75E+04	5.42E+03	2.82E+04	6.81E+03	1.04E+03	1.75E+03	1.90E+03	1.65E+04	7.57E+02	7.85E+02
Fe+3	kg	4.59E+03	3.89E+03	5.61E+03	3.65E+03	3.41E+03	6.67E+03	3.25E+02	5.27E+03	4.12E+03	2.40E+03
H2O	kg	0.00E+00	0.00E+00								
Hg+2	kg	0.00E+00	1.66E+00	1.04E+02	0.00E+00	3.00E+00	1.74E+01	8.72E+00	0.00E+00	0.00E+00	0.00E+00
K+	kg	3.10E+03	1.37E+03	6.78E+02	2.63E+03	1.89E+03	1.35E+03	1.03E+03	7.49E+02	1.29E+03	2.54E+03
La+3	kg	1.12E+02	0.00E+00	1.75E+00	7.27E+01	0.00E+00	1.09E+02	3.88E+00	1.28E+02	0.00E+00	1.77E+01
Li+	kg	0.00E+00	0.00E+00								
Mg+2	kg	0.00E+00	0.00E+00								
Mn+4	kg	1.93E+03	1.46E+02	1.38E+03	1.31E+03	0.00E+00	1.78E+03	1.16E+02	1.65E+03	2.18E+03	1.15E+03
Mo+6	kg	0.00E+00	0.00E+00								
Na+	kg	5.10E+05	4.61E+05	7.48E+04	5.47E+05	3.62E+05	4.46E+05	2.95E+05	1.37E+05	4.04E+05	4.08E+05
Nd+3	kg	0.00E+00	0.00E+00								
NH3	kg	1.83E+03	4.22E-01	2.31E+03	2.56E+03	1.71E-01	1.46E+03	1.09E+03	4.94E+01	2.89E+03	9.70E+02
Ni+2	kg	4.37E+02	6.74E+01	3.12E+03	2.97E+02	6.81E+02	2.10E+02	6.25E+01	4.96E+02	0.00E+00	2.30E+02
NO2-	kg	1.61E+05	4.53E+04	0.00E+00	1.32E+05	0.00E+00	5.58E+04	3.95E+04	0.00E+00	4.35E+04	1.10E+05
NO3-	kg	4.58E+05	8.23E+05	0.00E+00	7.20E+05	9.17E+05	6.71E+05	3.81E+05	0.00E+00	6.75E+05	5.09E+05
OH(BOUND)	kg	1.84E+05	1.15E+05	2.70E+05	1.42E+05	4.05E+04	3.85E+05	4.89E+05	1.16E+05	3.74E+05	2.36E+05
OH-	kg	0.00E+00	0.00E+00								
Pb+2	kg	5.37E+02	1.47E+02	2.90E+02	3.20E+02	1.50E+03	1.72E+02	9.05E+01	6.10E+02	0.00E+00	1.45E+02
Pd+2	kg	0.00E+00	0.00E+00								
PO4-3	kg	9.50E+04	5.16E+04	4.43E+04	6.99E+04	1.97E+04	1.04E+04	2.31E+04	1.02E+05	1.06E+04	1.29E+04
Pr+3	kg	0.00E+00	0.00E+00								
Pu+4	kg	0.00E+00	0.00E+00								
Rb+	kg	0.00E+00	0.00E+00								
Rh+3	kg	0.00E+00	0.00E+00								
Ru+3	kg	0.00E+00	0.00E+00								
Sb+5	kg	0.00E+00	0.00E+00								
Se+6	kg	0.00E+00	0.00E+00								
Si+4	kg	5.57E+03	1.07E+03	5.32E+03	1.96E+03	9.76E+02	2.29E+03	5.32E+02	6.38E+03	5.86E+02	9.27E+02
SO4-2	kg	3.85E+04	1.78E+04	0.00E+00	3.66E+04	0.00E+00	1.99E+04	2.88E+04	2.14E+03	4.58E+03	3.16E+04
Sr+2	kg	2.32E+01	1.27E+01	5.85E+02	5.10E+01	0.00E+00	5.49E+02	1.16E+01	3.64E+01	4.55E+00	3.82E+01
Ta+5	kg	0.00E+00	0.00E+00								
Tc+7	kg	0.00E+00	0.00E+00								
Te+6	kg	0.00E+00	0.00E+00								
Th+4	kg	0.00E+00	0.00E+00								
Ti+4	kg	0.00E+00	0.00E+00								
Tl+3	kg	0.00E+00	0.00E+00								
TOC	kg	2.50E+04	4.83E+03	8.68E+02	1.10E+04	5.33E+02	6.22E+03	3.71E+03	1.16E+04	3.00E+03	9.48E+03
U(TOTAL)	kg	0.00E+00	2.10E-01	9.55E+02	2.90E+00	1.41E+02	1.26E+01	0.00E+00	3.23E+03	0.00E+00	1.02E+00
V+5	kg	0.00E+00	0.00E+00								
W+6	kg	0.00E+00	0.00E+00								
Y+3	kg	0.00E+00	0.00E+00								
Zn+2	kg	0.00E+00	0.00E+00								
Zr+4	kg	1.32E+02	1.52E+01	2.37E+04	8.53E+01	1.32E+01	5.94E+01	1.04E+01	9.89E+01	0.00E+00	9.83E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 17 of 30)

Species	Units	SX-103	SX-104	SX-105	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112
106-Ru	Ci	1.85E-02	8.63E-03	2.15E-02	3.32E-03	3.28E-04	1.32E-04	1.83E-03	5.02E-04	6.76E-04	3.88E-04
113m-Cd	Ci	2.41E+02	1.24E+02	2.75E+02	4.45E+01	7.29E+00	3.80E+00	3.62E+01	8.78E+00	1.30E+01	7.96E+00
125-Sb	Ci	4.33E+02	2.19E+02	5.20E+02	8.64E+01	5.16E+00	2.21E+00	2.83E+01	7.50E+00	1.03E+01	6.01E+00
126-Sn	Ci	1.71E+01	9.33E+00	1.85E+01	2.64E+00	4.85E+00	3.18E+00	1.05E+01	6.52E+00	8.62E+00	5.22E+00
129-I	Ci	1.25E+00	3.39E-01	1.49E+00	1.61E-01	2.70E-02	1.46E-02	1.32E-01	3.11E-02	4.68E-02	2.90E-02
134-Cs	Ci	7.85E+00	2.33E+00	7.85E+00	1.06E+00	3.75E-01	1.73E-01	1.81E+00	5.56E-01	7.47E-01	4.35E-01
137-Cs	Ci	3.58E+05	3.16E+05	3.04E+05	1.61E+05	5.33E+04	7.04E+04	2.58E+05	3.22E+04	6.34E+04	5.59E+04
137m-Ba	Ci	3.39E+05	2.99E+05	2.87E+05	1.53E+05	5.04E+04	6.67E+04	2.44E+05	3.05E+04	6.02E+04	5.29E+04
14-C	Ci	9.05E+01	3.66E+01	1.09E+02	3.12E+01	1.85E+00	1.02E+00	9.00E+00	2.07E+00	3.16E+00	1.97E+00
151-Sm	Ci	3.97E+04	2.17E+04	4.37E+04	6.16E+03	1.34E+04	8.97E+03	2.57E+04	1.80E+04	2.36E+04	1.43E+04
152-Eu	Ci	1.40E+01	9.77E+00	1.75E+01	2.14E+00	1.24E+01	9.46E+00	1.43E+01	1.46E+01	1.99E+01	1.25E+01
154-Eu	Ci	1.67E+03	1.99E+03	1.96E+03	8.29E+02	3.67E+01	1.74E+01	1.91E+02	4.89E+01	6.94E+01	4.13E+01
155-Eu	Ci	7.95E+02	1.97E+03	9.81E+02	9.58E+02	6.28E+02	4.74E+02	7.26E+02	7.44E+02	1.01E+03	6.37E+02
226-Ra	Ci	5.86E-04	7.18E-04	8.02E-04	7.87E-05	9.61E-04	7.87E-04	9.67E-04	9.51E-04	1.40E-03	9.23E-04
227-Ac	Ci	3.55E-03	3.67E-03	4.46E-03	4.82E-04	4.32E-03	3.50E-03	4.77E-03	4.32E-03	6.33E-03	4.16E-03
228-Ra	Ci	3.96E-01	6.62E-02	4.05E-01	5.59E-02	1.01E-03	1.58E-08	1.13E-02	1.79E-03	2.50E-03	1.37E-03
229-Th	Ci	9.25E-03	1.72E-03	9.51E-03	1.34E-03	2.57E-05	1.29E-06	2.72E-04	4.42E-05	6.21E-05	3.42E-05
231-Pa	Ci	1.46E-02	8.08E-03	1.52E-02	2.15E-03	4.15E-03	2.67E-03	9.78E-03	5.57E-03	7.42E-03	4.47E-03
232-Th	Ci	2.59E-02	6.16E-03	2.71E-02	6.12E-03	1.36E-05	5.77E-10	1.52E-04	2.40E-05	3.36E-05	1.84E-05
232-U	Ci	4.58E-01	1.26E+00	4.62E-01	8.24E-02	7.38E-02	1.31E-04	3.51E-01	6.25E-02	1.13E-01	9.10E-02
233-U	Ci	1.75E+00	4.82E+00	1.77E+00	3.17E-01	2.82E-01	4.19E-06	1.34E+00	2.39E-01	4.31E-01	3.49E-01
234-U	Ci	5.82E-01	1.73E+00	5.64E-01	1.77E-01	2.01E+00	2.30E+00	6.56E+00	1.26E+00	2.44E+00	2.13E+00
235-U	Ci	2.36E-02	7.05E-02	2.29E-02	7.44E-03	8.17E-02	9.62E-02	2.64E-01	5.08E-02	9.88E-02	8.65E-02
236-U	Ci	1.95E-02	5.66E-02	1.80E-02	4.27E-03	7.70E-02	6.46E-02	2.69E-01	5.58E-02	1.02E-01	8.61E-02
237-Np	Ci	2.37E+00	6.74E-01	2.82E+00	3.12E-01	6.62E-02	3.94E-02	3.07E-01	6.63E-02	1.07E-01	6.83E-02
238-Pu	Ci	9.14E+00	1.67E+01	2.04E+01	4.96E+00	8.56E+00	6.85E+00	7.34E+00	9.38E+00	1.31E+01	8.42E+00
238-U	Ci	5.21E-01	1.57E+00	5.11E-01	1.69E-01	1.77E+00	2.17E+00	5.65E+00	1.07E+00	2.10E+00	1.85E+00
239-Pu	Ci	3.26E+02	8.21E+02	6.22E+02	1.70E+02	2.50E+02	2.22E+02	2.22E+02	1.85E+02	3.13E+02	2.23E+02
240-Pu	Ci	5.42E+01	1.25E+02	1.07E+02	2.89E+01	4.24E+01	3.69E+01	3.74E+01	3.55E+01	5.65E+01	3.90E+01
241-Am	Ci	3.71E+02	1.79E+02	7.10E+02	2.07E+02	2.09E+02	1.52E+02	2.19E+02	2.80E+02	3.60E+02	2.20E+02
241-Pu	Ci	5.88E+02	1.05E+03	1.22E+03	3.35E+02	4.31E+02	3.50E+02	3.72E+02	4.51E+02	6.43E+02	4.19E+02
242-Cm	Ci	7.70E-01	4.36E-01	1.76E+00	5.29E-01	5.19E-01	4.03E-01	3.50E-01	6.41E-01	8.50E-01	5.29E-01
242-Pu	Ci	3.19E-03	5.38E-03	6.72E-03	1.84E-03	2.36E-03	1.89E-03	2.02E-03	2.58E-03	3.61E-03	2.32E-03
243-Am	Ci	1.29E-02	6.12E-03	2.71E-02	7.16E-03	9.27E-03	6.78E-03	8.71E-03	1.24E-02	1.60E-02	9.73E-03
243-Cm	Ci	7.07E-02	3.56E-02	1.66E-01	4.89E-02	4.97E-02	3.76E-02	3.32E-02	6.50E-02	8.41E-02	5.15E-02
244-Cm	Ci	6.85E-01	3.39E-01	2.65E+00	4.84E-01	1.48E+00	1.11E+00	9.87E-01	1.97E+00	2.52E+00	1.54E+00
3-H	Ci	6.72E+02	1.82E+02	7.59E+02	7.41E+01	3.47E+01	1.77E+01	1.74E+02	4.31E+01	6.29E+01	3.82E+01
59-Ni	Ci	8.18E+00	1.04E+01	1.04E+01	5.95E-01	1.06E+01	8.79E+00	1.15E+01	9.93E+00	1.50E+01	1.00E+01
60-Co	Ci	1.01E+02	4.18E+02	1.21E+02	7.32E+01	1.52E+00	7.15E-01	7.98E+00	2.02E+00	2.88E+00	1.71E+00
63-Ni	Ci	8.51E+02	1.05E+03	1.09E+03	6.23E+01	1.10E+03	9.07E+02	1.19E+03	1.05E+03	1.57E+03	1.05E+03
79-Se	Ci	1.13E+01	6.14E+00	1.24E+01	1.76E+00	3.73E+00	2.50E+00	7.18E+00	5.01E+00	6.59E+00	3.98E+00
90-Sr	Ci	8.85E+05	4.73E+05	2.85E+05	5.43E+03	1.98E+05	1.09E+06	1.10E+06	1.20E+05	2.36E+05	2.07E+05
90-Y	Ci	8.87E+05	4.74E+05	2.85E+05	5.42E+03	1.98E+05	1.09E+06	1.10E+06	1.20E+05	2.36E+05	2.08E+05
93-Zr	Ci	5.48E+01	2.99E+01	5.98E+01	8.59E+00	1.59E+01	1.05E+01	3.29E+01	2.14E+01	2.81E+01	1.70E+01
93m-Nb	Ci	4.07E+01	2.25E+01	4.49E+01	6.27E+00	1.47E+01	9.89E+00	2.79E+01	1.98E+01	2.60E+01	1.57E+01
99-Tc	Ci	6.48E+02	1.76E+02	7.75E+02	8.53E+01	1.42E+01	7.66E+00	6.97E+01	1.63E+01	2.48E+01	1.53E+01
Ag+	kg	1.14E-05	1.41E-06	3.16E-06	6.61E-07	2.23E-14	4.84E-14	2.72E-14	1.95E-15	6.30E-22	6.80E-09
Al+3	kg	1.65E+05	1.42E+05	9.83E+04	2.61E+04	6.98E+04	3.70E+04	1.21E+05	4.16E+04	8.19E+04	7.23E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	1.90E+01	4.33E+00	3.71E+00	2.35E-01	6.19E+00	6.04E+00	4.82E+00	1.32E+01	9.34E+00	4.28E+00
Be+2	kg	0.00E+00									
Bi+3	kg	0.00E+00	1.54E+02	1.84E+02	7.82E+01	3.14E+01	4.30E+01	5.41E+01	1.76E+01	3.45E+01	3.05E+01
Ca+2	kg	7.17E+02	7.83E+02	8.31E+02	3.62E+02	1.84E+02	3.69E+03	4.86E+03	1.11E+02	2.19E+02	1.93E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 18 of 30)

Species	Units	SX-103	SX-104	SX-105	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112
Cd+2	kg	0.00E+00									
Ce+3	kg	4.63E+03	9.55E+02	1.58E+03	2.93E+03	0.00E+00	0.00E+00	0.00E+00	3.29E-06	0.00E+00	0.00E+00
Cl-	kg	8.60E+03	9.75E+03	8.75E+03	6.90E+03	1.63E+03	1.24E+03	3.98E+03	9.85E+02	1.94E+03	1.71E+03
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	9.35E+04	8.42E+04	6.94E+04	2.91E+04	2.84E+03	5.52E+03	1.81E+04	1.72E+03	3.39E+03	2.99E+03
Cr(TOTAL)	kg	1.38E+04	1.18E+04	7.58E+03	6.47E+03	1.32E+03	4.90E+03	2.12E+04	7.98E+02	1.57E+03	1.39E+03
Cs+	kg	1.19E+01	1.05E+01	1.01E+01	5.36E+00	1.77E+00	2.34E+00	8.58E+00	1.07E+00	2.11E+00	1.86E+00
Cu+2	kg	0.00E+00									
F-	kg	8.40E+02	5.12E+03	7.46E+02	7.77E+02	8.27E+01	2.50E+02	3.12E+02	4.99E+01	9.83E+01	8.68E+01
Fe+3	kg	4.54E+03	4.57E+03	4.06E+03	1.40E+03	1.11E+03	9.91E+03	1.11E+04	6.70E+02	1.32E+03	1.16E+03
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00									
K+	kg	3.19E+03	2.33E+03	3.24E+03	1.23E+03	2.97E+02	3.64E+02	9.99E+02	1.79E+02	3.53E+02	3.12E+02
La+3	kg	0.00E+00	6.07E+01	1.75E+01	4.14E+01	0.00E+00	9.16E+01	1.69E-06	2.67E-07	0.00E+00	0.00E+00
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	2.54E+03	2.27E+03	2.01E+03	5.44E+02	9.15E+02	3.24E+03	3.92E+03	5.52E+02	1.09E+03	9.58E+02
Mo+6	kg	0.00E+00									
Na+	kg	4.67E+05	4.65E+05	4.07E+05	2.13E+05	6.73E+04	5.53E+04	2.52E+05	4.06E+04	8.00E+04	7.06E+04
Nd+3	kg	0.00E+00									
NH3	kg	4.01E+02	1.79E+03	5.89E+02	2.32E+00	1.80E+03	1.68E+03	1.65E+03	1.03E+03	2.02E+03	1.53E+03
Ni+2	kg	3.33E+02	1.13E+03	3.01E+02	1.06E+02	8.20E+01	8.88E+02	1.24E+03	4.88E+01	9.61E+01	8.48E+01
NO2-	kg	1.36E+05	1.17E+05	1.46E+05	7.39E+04	2.09E+04	9.05E+03	4.51E+04	1.26E+04	2.49E+04	2.20E+04
NO3-	kg	6.77E+05	6.07E+05	4.73E+05	3.08E+05	8.43E+04	8.56E+04	4.12E+05	5.09E+04	1.00E+05	8.84E+04
OH(BOUND)	kg	4.02E+05	3.35E+05	2.95E+05	1.04E+05	1.52E+05	1.02E+05	3.14E+05	9.08E+04	1.79E+05	1.58E+05
OH-	kg	0.00E+00									
Pb+2	kg	2.20E+02	2.69E+02	1.83E+02	1.00E+02	2.28E+01	2.45E+02	2.59E+02	1.38E+01	2.71E+01	2.40E+01
Pd+2	kg	0.00E+00									
PO4-3	kg	1.17E+04	4.79E+04	2.46E+04	1.92E+04	1.19E+03	1.43E+03	1.74E+03	7.17E+02	1.41E+03	1.25E+03
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	1.69E+03	2.44E+03	1.36E+03	1.39E+03	8.60E+02	4.37E+02	2.52E+03	5.19E+02	1.02E+03	9.02E+02
SO4-2	kg	3.29E+04	2.51E+04	2.13E+04	5.36E+03	1.02E+03	3.97E+03	6.87E+03	6.19E+02	1.22E+03	1.07E+03
Sr+2	kg	1.10E+02	2.35E+02	3.31E+01	7.18E+00	2.88E+02	3.14E+02	1.99E+02	1.73E+02	3.41E+02	3.01E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	1.10E+04	8.33E+03	6.37E+03	4.47E+03	6.95E+02	0.00E+00	8.53E+02	7.19E+02	1.41E+03	1.25E+03
U(TOTAL)	kg	0.00E+00	0.00E+00	2.97E+00	0.00E+00	0.00E+00	0.00E+00	9.63E+00	0.00E+00	0.00E+00	5.59E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	4.64E+01	1.03E+02	7.88E+01	2.26E+01	4.60E+01	1.48E+02	3.30E+01	2.78E+01	5.47E+01	4.83E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

HNF-SD-WM-SP-012

Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 19 of 30)

Species	Units	SX-113	SX-114	SX-115	T-101	T-102	T-103	T-104	T-105	T-106	T-107
106-Ru	Ci	1.89E-08	1.47E-03	5.42E-05	2.26E-04	1.20E-05	6.79E-05	7.80E-09	1.88E-09	3.65E-07	1.84E-10
113m-Cd	Ci	5.29E-02	2.78E+01	1.21E+00	2.49E+00	3.06E-02	6.51E-01	2.17E-01	4.25E-02	2.86E-02	1.14E-01
125-Sb	Ci	9.92E-03	2.24E+01	1.72E+02	5.85E+00	3.99E-02	1.49E+00	1.80E-02	2.75E+02	8.98E-03	4.22E-03
126-Sn	Ci	5.59E-03	1.16E+01	2.59E-01	1.38E-01	2.50E-03	3.60E-02	2.87E-02	5.39E-03	3.06E-03	1.75E-02
129-I	Ci	2.30E-04	9.97E-02	4.52E-03	1.59E-02	1.04E-04	4.04E-03	1.18E-03	2.22E-04	1.27E-04	7.22E-04
134-Cs	Ci	2.04E-04	1.50E+00	3.33E+00	2.01E-02	2.63E-03	8.26E-03	7.27E-04	2.26E+01	3.86E-04	6.70E-05
137-Cs	Ci	1.04E+03	2.02E+05	1.62E+04	9.31E+04	4.11E+03	2.84E+04	2.70E+02	1.33E+04	1.83E+03	1.20E+04
137m-Ba	Ci	9.84E+02	1.91E+05	1.54E+04	8.82E+04	3.88E+03	2.69E+04	2.56E+02	1.26E+04	1.74E+03	1.13E+04
14-C	Ci	1.71E-02	6.73E+00	3.11E-01	1.18E+00	5.93E+00	3.04E-01	6.24E-02	4.12E-01	9.27E-03	5.62E-02
151-Sm	Ci	1.30E+01	3.00E+04	6.02E+02	3.24E+02	6.05E+00	8.39E+01	7.08E+01	1.32E+01	7.39E+00	4.47E+01
152-Eu	Ci	5.29E-02	2.04E+01	3.60E-01	2.77E-01	4.25E-02	6.81E-02	3.10E-02	5.86E-03	1.66E-02	5.47E-03
154-Eu	Ci	1.63E-01	1.49E+02	9.21E+02	1.98E+01	6.32E+01	5.07E+00	4.13E+00	7.40E+02	8.67E-02	1.05E-01
155-Eu	Ci	2.50E+00	1.04E+03	8.79E+02	1.64E+01	6.93E+01	4.55E+00	4.01E+00	8.70E+02	9.49E-01	8.28E-01
226-Ra	Ci	8.17E-06	1.32E-03	3.52E-05	4.48E-06	1.11E-06	1.36E-06	5.46E-06	8.76E-07	3.22E-07	5.03E-06
227-Ac	Ci	3.60E-05	6.21E-03	1.71E-04	2.25E-05	1.06E-02	1.06E-02	2.78E-05	4.49E-06	1.66E-06	2.54E-05
228-Ra	Ci	7.00E-11	7.93E-03	3.58E-04	6.48E-05	3.46E-03	3.49E-03	1.30E-10	2.25E-11	3.25E-11	7.44E-11
229-Th	Ci	1.34E-08	1.92E-04	8.62E-06	3.04E-06	1.57E-03	1.57E-03	2.51E-08	4.36E-09	3.32E-09	1.44E-08
231-Pa	Ci	5.43E-06	1.03E-02	2.51E-04	9.54E-05	1.57E-02	1.57E-02	6.00E-05	9.87E-06	3.83E-06	5.29E-05
232-Th	Ci	4.46E-12	1.06E-04	4.79E-06	2.15E-05	1.61E-04	1.68E-04	2.59E-11	4.74E-12	3.70E-12	1.74E-11
232-U	Ci	1.49E-06	2.01E-01	1.15E-02	2.98E-03	1.79E-01	1.79E-01	8.67E-05	2.27E-05	1.55E-05	8.73E-05
233-U	Ci	5.67E-08	7.69E-01	4.42E-02	9.60E-03	6.94E-01	6.97E-01	3.03E-04	1.06E-06	5.49E-07	5.23E-06
234-U	Ci	3.38E-02	3.77E+00	2.28E-01	8.50E+00	1.97E+00	1.46E+00	4.12E-01	9.81E-01	3.62E-01	7.37E+00
235-U	Ci	1.46E-03	1.52E-01	9.27E-03	3.29E-01	8.52E-02	6.18E-02	1.83E-02	4.34E-02	1.51E-02	3.31E-01
236-U	Ci	5.35E-04	1.58E-01	8.93E-03	4.93E-01	3.47E-02	3.15E-02	3.52E-03	9.77E-03	1.11E-02	4.71E-02
237-Np	Ci	7.75E-04	2.25E-01	1.11E-02	2.94E-02	6.95E-02	7.40E-03	3.85E-03	7.26E-04	4.76E-04	2.33E-03
238-Pu	Ci	5.00E-02	1.20E+01	2.23E+01	2.48E+01	1.45E-01	4.01E+00	1.31E+00	4.21E-01	1.83E-01	4.47E-01
238-U	Ci	3.46E-02	3.23E+00	1.99E-01	6.22E+00	1.93E+00	1.41E+00	4.17E-01	9.95E-01	3.27E-01	7.46E+00
239-Pu	Ci	3.57E+00	2.62E+02	1.36E+03	6.90E+02	6.00E+00	1.67E+02	1.79E+02	9.88E+01	7.34E+00	1.40E+02
240-Pu	Ci	5.10E-01	4.88E+01	1.99E+02	1.14E+02	1.07E+00	2.96E+01	1.63E+01	6.70E+00	1.11E+00	8.25E+00
241-Am	Ci	6.11E-02	3.67E+02	1.11E+03	1.53E+00	3.30E+01	4.02E-01	2.42E+01	9.99E+01	9.23E-01	1.38E+01
241-Pu	Ci	3.00E+00	5.83E+02	1.29E+03	1.02E+03	1.16E+01	3.21E+02	5.50E+01	1.06E+01	8.33E+00	5.30E+00
242-Cm	Ci	1.22E-03	7.51E-01	1.44E+00	5.98E-03	6.28E-01	1.67E-03	6.78E-02	2.87E-01	7.18E-03	1.56E-02
242-Pu	Ci	1.38E-05	3.30E-03	6.15E-03	2.70E-03	3.25E-05	9.05E-04	2.52E-04	4.43E-05	2.73E-05	1.62E-05
243-Am	Ci	5.72E-07	1.58E-02	3.37E-02	5.90E-05	3.41E-04	1.51E-05	5.72E-04	7.08E-04	7.44E-06	3.87E-05
243-Cm	Ci	2.79E-05	7.54E-02	3.30E-02	4.50E-04	6.45E-03	1.20E-04	4.08E-03	5.89E-03	1.62E-04	2.32E-04
244-Cm	Ci	2.04E-05	2.28E+00	2.57E-02	4.66E-03	1.55E-01	1.16E-03	3.51E-02	1.68E-02	2.21E-04	5.93E-04
3-H	Ci	2.21E-01	1.34E+02	5.73E+00	6.18E+00	9.01E-01	1.70E+00	4.07E-01	5.11E+00	6.35E-02	2.19E-01
59-Ni	Ci	1.05E-01	1.45E+01	4.61E-01	5.94E-02	2.01E-03	1.54E-02	2.40E-02	4.50E-03	2.47E-03	1.50E-02
60-Co	Ci	6.76E-03	6.21E+00	1.22E+02	1.33E+00	7.63E-03	3.40E-01	1.98E-02	1.56E+01	3.93E-03	7.81E-03
63-Ni	Ci	1.05E+01	1.51E+03	4.65E+01	6.23E+00	2.06E-01	1.62E+00	2.30E+00	4.35E-01	2.44E-01	1.40E+00
79-Se	Ci	3.63E-03	8.43E+00	1.69E-01	9.20E-02	1.65E-03	2.38E-02	1.90E-02	3.57E-03	2.03E-03	1.18E-02
90-Sr	Ci	3.87E+03	2.67E+05	3.82E+05	1.18E+05	3.07E+04	2.71E+04	3.57E+03	1.16E+05	2.95E+03	1.05E+05
90-Y	Ci	3.88E+03	2.67E+05	3.82E+05	1.18E+05	3.06E+04	2.71E+04	3.57E+03	1.16E+05	2.94E+03	1.05E+05
93-Zr	Ci	1.71E-02	3.72E+01	7.99E-01	4.52E-01	7.79E-03	1.17E-01	9.02E-02	1.69E-02	9.65E-03	5.63E-02
93m-Nb	Ci	1.40E-02	3.28E+01	6.47E-01	3.25E-01	6.02E-03	8.37E-02	7.63E-02	1.42E-02	7.86E-03	4.86E-02
99-Tc	Ci	1.20E-01	5.26E+01	2.37E+00	8.24E+00	2.32E+00	2.09E+00	8.80E-01	1.53E+02	6.70E-02	4.98E+01
Ag+	kg	1.31E-06	6.97E-22	2.48E-06	6.56E-07	1.11E-08	6.16E-08	4.13E-08	2.10E-24	1.84E-09	1.78E-24
Al+3	kg	1.58E+03	1.07E+05	4.11E+03	9.10E+04	3.85E+04	3.30E+04	2.26E+04	2.61E+04	1.47E+04	1.62E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	4.34E+00	1.16E+01	8.25E+00	4.50E-01	2.36E-03	9.27E-02	1.77E-01	1.52E-01	6.12E-01	3.71E-01
Be+2	kg	0.00E+00									
Bi+3	kg	1.35E+00	3.92E+01	4.37E+00	1.44E+01	1.26E+02	2.70E+01	2.64E+04	3.35E+03	1.02E+03	1.11E+04
Ca+2	kg	2.65E+02	1.17E+03	2.07E+02	1.76E+03	9.51E+01	8.46E+02	9.70E+02	4.04E+02	1.95E+02	1.48E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 20 of 30)

Species	Units	SX-113	SX-114	SX-115	T-101	T-102	T-103	T-104	T-105	T-106	T-107
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce+3	kg	0.00E+00	0.00E+00	0.00E+00	7.94E+02	1.35E+01	2.77E-01	1.15E+04	1.04E-14	4.51E+01	5.41E-15
Cl-	kg	3.19E+01	2.75E+03	2.10E+02	2.16E+02	3.86E+01	5.78E+01	9.32E+02	1.69E+02	1.01E+02	5.41E+02
CN-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO3-2	kg	5.57E+01	6.99E+03	4.11E+02	1.36E+04	2.23E+03	1.83E+03	6.99E+02	9.43E+03	4.14E+02	1.46E+04
Cr(TOTAL)	kg	2.58E+01	5.49E+03	8.01E+02	1.39E+02	1.01E+02	4.09E+01	1.26E+03	3.56E+02	5.97E+01	3.50E+02
Cs+	kg	3.46E-02	6.71E+00	5.38E-01	3.09E+00	1.37E-01	9.44E-01	8.97E-03	4.42E-01	6.08E-02	3.99E-01
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
F-	kg	1.62E+00	1.60E+02	5.40E+01	6.70E+01	2.83E+01	8.89E-01	1.20E+04	1.94E+02	5.80E+02	1.14E+04
Fe+3	kg	3.99E+03	3.49E+03	2.00E+03	3.45E+03	2.33E+03	1.67E+03	1.26E+04	9.43E+03	1.34E+03	3.12E+04
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	2.54E+01	8.04E-01	1.24E+01	1.75E-01	8.28E+00	9.72E+00	1.33E-01
K+	kg	2.25E+02	5.53E+02	7.33E+01	1.48E+02	4.91E+00	1.59E+01	1.24E+02	2.12E+02	1.13E+01	3.13E+02
La+3	kg	0.00E+00	0.00E+00	1.41E+01	5.28E+00	0.00E+00	0.00E+00	2.97E+00	1.85E+01	0.00E+00	0.00E+00
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn+4	kg	1.07E+02	2.50E+03	7.02E+02	1.02E+01	1.23E+02	8.00E+01	8.63E+01	4.04E+03	1.70E+01	2.20E+02
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Na+	kg	1.32E+03	1.30E+05	1.20E+04	7.03E+04	4.04E+03	3.75E+03	9.01E+04	2.63E+04	9.67E+03	1.29E+05
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NH3	kg	3.28E+01	1.60E+03	1.13E+02	2.00E-01	3.52E-02	5.60E+00	1.93E+03	9.99E+01	3.85E+01	8.74E+02
Ni+2	kg	1.58E+00	3.41E+02	1.37E+02	1.62E+01	8.75E+00	7.30E+00	1.58E+01	3.75E+01	8.22E+00	2.89E+02
NO2-	kg	4.09E+02	3.41E+04	8.64E+02	1.57E+04	1.03E+03	1.25E+03	5.93E+03	1.35E+04	1.17E+03	1.17E+04
NO3-	kg	1.65E+03	1.83E+05	1.36E+04	1.22E+05	4.51E+03	3.21E+03	8.10E+04	9.47E+03	3.56E+03	7.46E+04
OH(BOUND)	kg	5.02E+04	2.43E+05	1.60E+04	1.86E+05	7.64E+04	6.63E+04	2.36E+04	6.66E+04	3.19E+04	5.38E+04
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	2.00E+00	3.61E+01	2.75E+01	2.33E+02	2.47E+02	4.50E+01	6.95E+01	2.35E+02	3.78E+02	7.87E+02
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PO4-3	kg	2.32E+01	1.93E+03	2.72E+01	4.15E+03	6.03E+02	1.57E+02	1.06E+05	1.86E+03	3.99E+03	1.13E+05
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Si+4	kg	1.76E+04	1.48E+03	1.28E+02	1.10E+03	4.17E+02	3.89E+02	9.11E+03	1.93E+03	5.13E+02	6.00E+03
SO4-2	kg	2.00E+01	2.48E+03	3.57E+02	7.26E+02	2.02E+02	2.16E+02	5.45E+03	3.89E+03	6.06E+02	9.86E+03
Sr+2	kg	5.61E+00	3.88E+02	6.26E+01	1.96E+00	2.02E+00	4.51E-01	1.38E+02	7.12E+01	4.05E+01	9.50E+02
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOC	kg	2.33E+01	1.61E+03	8.80E+01	2.34E+02	8.39E+01	5.70E+01	7.96E+02	1.89E+03	6.38E+01	1.68E+03
U(TOTAL)	kg	0.00E+00	0.00E+00	1.62E+00	0.00E+00	1.91E+01	6.68E+00	0.00E+00	1.50E+01	1.15E+00	5.57E+01
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr+4	kg	3.99E+00	1.19E+02	5.00E+01	0.00E+00	5.53E+00	0.00E+00	9.43E+01	2.31E+01	1.17E+01	1.12E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 21 of 30)

Species	Units	T-108	T-109	T-110	T-111	T-112	T-201	T-202	T-203	T-204	TX-101
106-Ru	Ci	3.48E-09	8.73E-09	1.20E-09	1.90E-09	3.48E-10	4.22E-11	3.15E-11	5.25E-11	5.69E-11	2.24E-04
113m-Cd	Ci	1.09E-01	2.41E-01	3.67E-02	4.84E-02	6.68E-03	4.90E-04	3.67E-04	6.12E-04	6.64E-04	4.86E+00
125-Sb	Ci	8.46E-03	2.00E-02	2.87E-03	4.20E-03	6.94E-04	6.46E-05	4.85E-05	8.09E-05	8.78E-05	5.78E+00
126-Sn	Ci	1.47E-02	3.15E-02	4.91E-03	6.27E-03	8.09E-04	5.56E-05	4.17E-05	6.95E-05	7.52E-05	3.74E-01
129-I	Ci	6.06E-04	1.30E-03	2.03E-04	2.60E-04	3.34E-05	2.30E-06	1.72E-06	2.86E-06	3.11E-06	2.42E-02
134-Cs	Ci	3.77E-04	9.28E-04	1.17E-04	1.79E-04	3.18E-05	1.71E-01	1.21E-01	2.01E-01	2.14E-01	9.16E-02
137-Cs	Ci	1.00E+03	1.13E+03	5.67E+04	3.42E+02	4.88E+01	6.90E+00	3.00E+00	3.19E+00	1.46E+00	4.77E+04
137m-Ba	Ci	9.47E+02	1.07E+03	5.36E+04	3.24E+02	4.62E+01	6.51E+00	2.84E+00	3.02E+00	1.38E+00	4.52E+04
14-C	Ci	4.59E-02	9.76E-02	1.55E-02	1.98E-02	2.54E-03	4.45E-02	3.14E-02	5.22E-02	5.57E-02	1.80E+00
151-Sm	Ci	3.66E+01	7.84E+01	1.22E+01	1.55E+01	1.98E+00	1.39E-01	1.04E-01	1.74E-01	1.89E-01	8.71E+02
152-Eu	Ci	1.05E-02	2.47E-02	1.40E-02	1.76E-02	3.11E-03	1.82E-04	1.37E-04	2.28E-04	2.47E-04	1.99E+00
154-Eu	Ci	1.69E-01	3.91E-01	1.58E+02	8.13E-02	1.31E-02	5.26E-01	3.70E-01	6.18E-01	6.56E-01	2.65E+01
155-Eu	Ci	8.56E-01	1.90E+00	1.75E+02	1.28E+00	2.09E-01	3.49E-01	2.46E-01	4.11E-01	4.36E-01	9.53E+01
226-Ra	Ci	2.96E-06	5.91E-06	9.86E-07	1.14E-06	1.09E-07	8.22E-09	6.17E-09	1.03E-08	1.12E-08	2.93E-04
227-Ac	Ci	1.52E-05	3.04E-05	5.03E-06	5.83E-06	5.61E-07	4.34E-08	3.25E-08	5.42E-08	5.89E-08	1.30E-03
228-Ra	Ci	4.82E-11	9.88E-11	5.50E-11	6.09E-11	8.57E-12	5.29E-13	3.96E-13	6.60E-13	7.16E-13	4.19E-03
229-Th	Ci	9.36E-09	1.91E-08	1.07E-08	1.18E-08	1.67E-09	1.02E-10	7.68E-11	1.28E-10	1.39E-10	9.89E-05
231-Pa	Ci	3.27E-05	6.61E-05	1.08E-05	1.27E-05	1.26E-06	1.00E-07	7.51E-08	1.25E-07	1.36E-07	3.39E-04
232-Th	Ci	1.35E-11	2.86E-11	4.50E-12	5.64E-12	6.92E-13	4.62E-14	3.45E-14	5.77E-14	6.27E-14	2.77E-04
232-U	Ci	7.04E-06	1.34E-06	6.96E-06	4.30E-05	7.13E-06	5.35E-08	6.64E-08	6.70E-08	7.28E-08	1.73E-02
233-U	Ci	3.86E-07	6.36E-08	3.83E-07	2.21E-06	3.27E-07	2.45E-09	3.03E-09	3.06E-09	3.32E-09	6.64E-02
234-U	Ci	4.87E-01	6.31E-02	4.88E-01	2.52E+00	2.97E-01	2.67E-03	3.31E-03	3.34E-03	3.63E-03	1.27E+00
235-U	Ci	2.18E-02	2.79E-03	2.18E-02	1.13E-01	1.31E-02	1.19E-04	1.47E-04	1.49E-04	1.61E-04	5.69E-02
236-U	Ci	3.51E-03	5.88E-04	3.48E-03	2.03E-02	3.03E-03	2.33E-05	2.88E-05	2.91E-05	3.16E-05	8.86E-03
237-Np	Ci	1.98E-03	4.26E-03	6.60E-04	8.46E-04	1.10E-04	7.54E-06	5.63E-06	9.38E-06	1.02E-05	5.82E-02
238-Pu	Ci	1.35E-01	8.11E-02	6.28E-01	1.81E+00	5.39E-01	9.57E-01	6.75E-01	1.12E+00	1.19E+00	1.80E+00
238-U	Ci	4.94E-01	6.39E-02	4.94E-01	2.56E+00	3.02E-01	2.71E-03	3.36E-03	3.40E-03	3.66E-03	1.28E+00
239-Pu	Ci	2.47E+01	1.35E+01	1.20E+02	2.77E+02	6.71E+01	9.20E+01	1.69E+01	2.29E+01	1.81E+01	2.32E+02
240-Pu	Ci	1.90E+00	1.10E+00	9.16E+00	2.37E+01	6.54E+00	8.09E+00	1.48E+00	2.01E+00	1.59E+00	4.44E+01
241-Am	Ci	2.71E-01	1.79E-01	5.94E+01	9.16E+01	2.77E-02	4.36E+00	3.08E+00	5.83E+00	4.26E+00	1.15E+02
241-Pu	Ci	4.56E+00	2.98E+00	2.05E+01	7.10E+01	2.37E+01	2.67E+01	4.91E+00	6.63E+00	5.24E+00	1.08E+02
242-Cm	Ci	6.08E-04	4.07E-04	4.73E-01	8.03E-01	2.55E-04	4.27E-02	3.01E-02	5.72E-02	4.13E-02	4.76E-02
242-Pu	Ci	2.01E-05	1.33E-05	8.97E-05	3.20E-04	1.08E-04	1.24E-04	2.27E-05	3.07E-05	2.42E-05	5.00E-04
243-Am	Ci	1.84E-06	1.24E-06	3.87E-04	6.40E-04	1.99E-07	3.55E-05	2.49E-05	4.74E-05	3.45E-05	8.69E-05
243-Cm	Ci	1.24E-05	8.36E-06	9.65E-03	1.65E-02	5.27E-06	9.19E-04	6.50E-04	1.23E-03	8.93E-04	1.43E-03
244-Cm	Ci	4.03E-05	2.73E-05	8.98E-03	1.51E-02	4.77E-06	8.98E-04	6.36E-04	1.21E-03	8.74E-04	5.20E-03
3-H	Ci	2.87E-01	6.56E-01	4.39E-02	5.45E-02	6.45E-03	2.58E+00	1.82E+00	3.03E+00	3.22E+00	1.61E+01
59-Ni	Ci	7.58E-02	1.86E-01	4.14E-03	1.02E-01	6.75E-04	9.09E-04	6.39E-04	1.07E-03	1.14E-03	3.76E+00
60-Co	Ci	9.71E-03	2.20E-02	9.22E+00	6.04E-01	6.82E-04	2.11E-01	1.50E-01	2.49E-01	2.65E-01	1.52E+00
63-Ni	Ci	7.28E+00	1.79E+01	3.95E-01	1.21E+01	6.54E-02	2.61E-02	1.84E-02	3.07E-02	3.25E-02	3.75E+02
79-Se	Ci	9.75E-03	2.10E-02	3.27E-03	4.17E-03	5.34E-04	3.68E-05	2.76E-05	4.60E-05	5.00E-05	2.46E-01
90-Sr	Ci	1.58E+03	2.46E+03	3.51E+04	1.11E+04	1.50E+03	2.13E+01	2.66E-01	4.54E-01	8.68E-01	2.50E+05
90-Y	Ci	1.58E+03	2.45E+03	3.50E+04	1.11E+04	1.50E+03	2.13E+01	2.66E-01	4.54E-01	8.71E-01	2.50E+05
93-Zr	Ci	4.65E-02	1.00E-01	1.56E-02	1.98E-02	2.54E-03	1.75E-04	1.31E-04	2.18E-04	2.37E-04	1.18E+00
93m-Nb	Ci	3.93E-02	8.45E-02	1.32E-02	1.67E-02	2.12E-03	1.45E-04	1.08E-04	1.81E-04	1.96E-04	9.13E-01
99-Tc	Ci	3.22E-01	6.92E-01	1.07E-01	1.71E+01	2.29E+00	1.21E-03	9.09E-04	1.51E-03	1.64E-03	1.25E+01
Ag+	kg	2.51E-09	1.81E-08	1.63E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-16
Al+3	kg	2.16E+03	4.78E+02	2.03E+03	1.23E+03	1.49E+03	1.41E+01	7.12E+00	9.18E+00	9.33E+00	5.19E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	3.46E-01	3.32E-01	2.47E-04	0.00E+00	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E+00
Be+2	kg	0.00E+00									
Bi+3	kg	1.77E+03	6.50E+01	2.29E+04	5.62E+04	8.37E+03	1.66E+04	4.04E+03	7.94E+03	8.96E+03	8.30E+00
Ca+2	kg	1.91E+02	1.24E+02	1.34E+03	5.23E+03	5.49E+02	1.73E+02	3.06E+01	5.64E+01	3.58E+01	1.58E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 22 of 30)

Species	Units	T-108	T-109	T-110	T-111	T-112	T-201	T-202	T-203	T-204	TX-101
Cd+2	kg	0.00E+00									
Ce+3	kg	1.24E+01	6.83E+02	0.00E+00	4.12E-07						
Cl-	kg	2.05E+02	1.30E+02	1.09E+03	9.72E+02	1.25E+02	1.51E+02	6.83E+01	1.07E+02	1.17E+02	1.61E+03
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	1.40E+03	3.98E+03	1.08E+04	8.77E+03	1.44E+03	5.65E+02	1.03E+03	1.29E+03	1.22E+03	6.58E+03
Cr(TOTAL)	kg	7.28E+01	1.53E+01	1.47E+03	4.28E+03	6.13E+02	7.46E+02	3.71E+02	6.18E+02	7.81E+02	1.06E+03
Cs+	kg	3.32E-02	3.76E-02	1.88E+00	1.14E-02	1.62E-03	2.29E-04	9.96E-05	1.06E-04	4.84E-05	1.59E+00
Cu+2	kg	0.00E+00									
F-	kg	2.74E+03	4.97E+03	2.27E+03	4.97E+03	5.82E+02	7.08E+02	6.47E+02	1.03E+03	1.03E+03	2.20E+02
Fe+3	kg	3.18E+03	2.10E+03	1.66E+04	4.00E+04	4.76E+03	1.37E+03	7.51E+02	1.11E+03	7.03E+02	8.61E+02
H2O	kg	0.00E+00									
Hg+2	kg	6.69E+00	0.00E+00	0.00E+00	3.00E+00	4.62E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K+	kg	6.19E+01	1.03E+02	1.01E+03	2.46E+03	3.68E+02	6.71E+02	7.04E+02	1.12E+03	1.06E+03	3.56E+02
La+3	kg	0.00E+00	0.00E+00	6.15E+02	9.12E+03	1.40E+03	3.47E+03	1.24E+03	1.91E+03	2.00E+03	1.27E-01
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	4.34E+01	3.94E+02	8.01E+02	1.37E+04	1.74E+03	6.18E+03	1.46E+03	2.62E+03	2.45E+03	6.78E+02
Mo+6	kg	0.00E+00									
Na+	kg	4.46E+04	7.62E+04	8.53E+04	7.99E+04	1.96E+04	4.50E+03	3.54E+03	5.67E+03	5.53E+03	6.61E+04
Nd+3	kg	0.00E+00									
NH3	kg	1.63E+02	1.41E+02	1.20E-01	1.24E-01	1.50E-02	2.21E-04	1.66E-04	2.76E-04	3.00E-04	1.20E+03
Ni+2	kg	1.93E+01	0.00E+00	6.66E+01	2.85E+02	4.27E+01	8.79E+01	1.30E+01	2.41E+01	4.21E+01	6.59E+01
NO2-	kg	1.82E+03	1.88E+02	1.05E+04	1.94E+03	8.19E+03	4.38E+01	5.18E+01	4.81E+01	4.94E+01	1.77E+04
NO3-	kg	6.68E+04	7.95E+03	1.11E+05	8.90E+04	5.03E+03	6.74E+03	6.47E+03	1.05E+04	9.60E+03	8.64E+04
OH(BOUND)	kg	1.46E+03	1.20E+03	1.71E+04	5.27E+04	1.58E+04	1.46E+04	3.64E+03	6.69E+03	6.60E+03	1.14E+05
OH-	kg	0.00E+00									
Pb+2	kg	1.28E+02	1.16E+02	9.34E+02	7.89E+02	1.15E+02	2.96E+01	5.72E+00	3.39E+00	5.39E+01	2.78E+01
Pd+2	kg	0.00E+00									
PO4-3	kg	2.95E+04	9.40E+04	3.39E+04	6.89E+04	3.61E+03	1.95E+03	7.22E+02	1.19E+03	1.41E+03	1.50E+03
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	9.28E+02	3.40E+02	8.12E+03	1.23E+04	2.56E+03	2.59E+02	1.84E+02	2.61E+02	2.61E+02	6.34E+02
SO4-2	kg	1.89E+03	1.97E+02	1.15E+04	7.97E+03	2.63E+03	3.86E+01	1.09E+02	7.14E+01	6.32E+01	2.10E+03
Sr+2	kg	6.23E+01	4.20E-02	2.88E+02	6.48E+02	9.10E+01	1.56E+02	4.90E+01	9.08E+01	8.68E+01	2.06E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	2.03E-01	5.13E-01	1.59E+03	6.74E+03	1.01E+03	4.24E+01	3.42E+01	6.86E+01	5.43E+01	1.63E+03
U(TOTAL)	kg	4.16E-01	0.00E+00	0.00E+00	2.48E+00	0.00E+00	1.35E-02	3.69E-02	4.68E-02	0.00E+00	6.06E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	1.17E+01	4.66E+00	7.82E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-01	0.00E+00	0.00E+00	6.95E-01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 23 of 30)

Species	Units	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107	TX-108	TX-109	TX-110	TX-111
106-Ru	Ci	3.88E-03	1.24E-03	8.53E-04	9.87E-03	5.72E-03	9.50E-05	1.59E-03	1.62E-08	6.83E-03	5.82E-03
113m-Cd	Ci	5.07E+01	1.59E+01	1.09E+01	1.32E+02	7.46E+01	1.24E+00	2.13E+01	4.16E-01	8.67E+01	7.35E+01
125-Sb	Ci	8.91E+01	2.92E+01	1.89E+01	2.35E+02	1.32E+02	2.13E+00	3.80E+01	3.61E-02	1.52E+02	1.28E+02
126-Sn	Ci	2.95E+00	9.42E-01	6.47E-01	7.83E+00	4.45E+00	7.52E-02	1.27E+00	5.39E-02	5.13E+00	4.37E+00
129-I	Ci	2.45E-01	8.40E-02	5.28E-02	6.94E-01	3.80E-01	6.09E-03	1.13E-01	2.22E-03	4.22E-01	3.55E-01
134-Cs	Ci	2.48E+00	5.15E-01	4.93E-01	4.05E+00	2.76E+00	5.33E-02	6.47E-01	1.50E-03	3.55E+00	2.03E+00
137-Cs	Ci	1.56E+05	5.62E+04	4.06E+04	4.37E+05	2.44E+05	2.42E+04	9.22E+04	1.25E+04	3.06E+05	2.36E+05
137m-Ba	Ci	1.47E+05	5.32E+04	3.84E+04	4.13E+05	2.31E+05	2.29E+04	8.71E+04	1.18E+04	2.89E+05	2.23E+05
14-C	Ci	1.79E+01	6.11E+00	4.01E+00	5.08E+01	2.77E+01	5.17E-01	8.20E+00	2.40E-01	3.07E+01	2.58E+01
151-Sm	Ci	6.89E+03	2.19E+03	1.51E+03	1.83E+04	1.03E+04	1.76E+02	2.97E+03	1.33E+02	1.20E+04	1.02E+04
152-Eu	Ci	2.72E+00	7.23E-01	5.66E-01	5.67E+00	3.60E+00	6.36E-02	9.20E-01	5.05E-02	4.50E+00	3.89E+00
154-Eu	Ci	3.51E+02	1.10E+02	7.45E+01	8.91E+02	5.07E+02	8.37E+00	1.44E+02	5.53E+00	5.97E+02	5.07E+02
155-Eu	Ci	1.63E+02	4.29E+01	3.43E+01	3.36E+02	2.12E+02	3.98E+00	5.49E+01	6.23E+01	2.69E+02	2.33E+02
226-Ra	Ci	9.04E-05	2.90E-05	2.90E-04	1.55E-04	6.37E-06	4.12E-05	9.76E-06	1.58E-04	1.34E-04	
227-Ac	Ci	5.83E-04	1.88E-04	1.50E-04	1.63E-03	9.69E-04	2.48E-05	2.66E-04	4.98E-05	1.02E-03	8.68E-04
228-Ra	Ci	1.38E-01	4.28E-02	2.93E-02	4.10E-01	2.19E-01	3.35E-03	6.76E-02	1.95E-10	2.36E-01	1.97E-01
229-Th	Ci	3.19E-03	9.96E-04	6.81E-04	9.49E-03	5.08E-03	7.76E-05	1.57E-03	3.79E-08	5.47E-03	4.55E-03
231-Pa	Ci	2.62E-03	8.31E-04	5.86E-04	7.18E-03	4.00E-03	7.37E-05	1.17E-03	1.08E-04	4.54E-03	3.84E-03
232-Th	Ci	8.45E-03	2.65E-03	1.80E-03	2.51E-02	1.35E-02	2.06E-04	4.15E-03	4.84E-11	1.45E-02	1.21E-02
232-U	Ci	8.01E-02	1.24E-01	1.29E-03	1.82E-01	1.10E+00	6.40E-04	6.01E-02	1.47E-04	4.43E-01	3.66E-01
233-U	Ci	3.07E-01	4.74E-01	4.93E-03	6.98E-01	4.20E+00	2.45E-03	2.30E-01	7.30E-06	1.70E+00	1.40E+00
234-U	Ci	1.87E-01	1.43E-01	8.31E-02	5.19E-01	1.42E+00	1.59E-01	2.34E-01	7.87E+00	1.15E+00	1.19E+00
235-U	Ci	8.06E-03	5.90E-03	3.74E-03	2.27E-02	5.97E-02	7.16E-03	1.03E-02	3.50E-01	4.95E-02	5.12E-02
236-U	Ci	2.92E-03	3.78E-03	5.58E-04	7.18E-03	3.26E-02	1.03E-03	2.76E-03	6.73E-02	1.92E-02	1.89E-02
237-Np	Ci	4.56E-01	1.56E-01	9.87E-02	1.30E+00	7.12E-01	1.15E-02	2.11E-01	7.26E-03	7.90E-01	6.61E-01
238-Pu	Ci	8.51E-01	2.62E-01	2.24E+00	2.09E+00	1.31E+00	2.05E-02	3.36E-01	1.93E+00	1.50E+00	6.57E-01
238-U	Ci	1.81E-01	1.32E-01	8.41E-02	5.08E-01	1.33E+00	1.61E-01	2.31E-01	7.97E+00	1.12E+00	1.17E+00
239-Pu	Ci	2.97E+01	9.88E+00	8.08E+01	7.52E+01	5.02E+01	8.08E-01	1.22E+01	2.70E+02	5.71E+01	2.62E+01
240-Pu	Ci	4.99E+00	1.60E+00	1.34E+01	1.25E+01	8.23E+00	1.25E-01	2.01E+00	2.46E+01	9.14E+00	4.10E+00
241-Am	Ci	3.50E+01	1.16E+01	9.68E+01	9.44E+01	5.39E+01	8.86E-01	1.51E+01	3.18E+01	6.25E+01	2.67E+01
241-Pu	Ci	5.69E+01	1.73E+01	1.50E+02	1.37E+02	8.60E+01	1.35E+00	2.22E+01	8.04E+01	9.88E+01	4.31E+01
242-Cm	Ci	1.04E-01	2.81E-02	2.69E-01	2.19E-01	1.37E-01	2.39E-03	3.50E-02	8.93E-02	1.73E-01	7.54E-02
242-Pu	Ci	3.13E-04	9.51E-05	8.25E-04	7.48E-04	4.66E-04	7.45E-06	1.20E-04	3.64E-04	5.42E-04	2.37E-04
243-Am	Ci	1.23E-03	3.93E-04	3.45E-03	3.19E-03	1.85E-03	3.11E-05	5.10E-04	2.21E-04	2.21E-03	9.55E-04
243-Cm	Ci	9.60E-03	2.61E-03	2.48E-02	2.03E-02	1.25E-02	2.20E-04	3.26E-03	1.83E-03	1.60E-02	6.92E-03
244-Cm	Ci	8.17E-02	2.62E-02	2.23E-01	2.10E-01	1.21E-01	2.01E-03	3.38E-02	5.26E-03	1.44E-01	6.16E-02
3-H	Ci	1.28E+02	4.19E+01	2.75E+01	3.54E+02	1.96E+02	3.13E+00	5.75E+01	1.39E+00	1.34E-01	1.86E+02
59-Ni	Ci	1.23E+00	4.27E-01	2.74E-01	3.61E+00	2.17E+00	3.32E-02	5.89E-01	4.53E-02	2.16E+00	1.81E+00
60-Co	Ci	2.04E+01	6.80E+00	4.33E+00	5.53E+01	3.06E+01	4.91E-01	8.96E+00	3.89E-02	3.48E+01	2.93E+01
63-Ni	Ci	1.29E+02	4.46E+01	2.86E+01	3.78E+02	2.26E+02	3.44E+00	6.15E+01	4.36E+00	2.25E+02	1.89E+02
79-Se	Ci	1.96E+00	6.23E-01	4.29E-01	5.20E+00	2.94E+00	4.99E-02	8.43E-01	3.58E-02	3.40E+00	2.89E+00
90-Sr	Ci	6.96E+04	2.07E+04	1.49E+04	1.68E+05	1.12E+05	1.71E+03	2.71E+04	1.10E+05	1.20E+05	1.03E+05
90-Y	Ci	6.96E+04	2.08E+04	1.49E+04	1.68E+05	1.12E+05	1.71E+03	2.71E+04	1.10E+05	1.20E+05	1.03E+05
93-Zr	Ci	9.65E+00	3.07E+00	2.11E+00	2.54E+01	1.44E+01	2.44E-01	4.12E+00	1.70E-01	1.67E+01	1.42E+01
93m-Nb	Ci	6.95E+00	2.22E+00	1.53E+00	1.85E+01	1.05E+01	1.79E-01	3.00E+00	1.44E-01	1.21E+01	1.03E+01
99-Tc	Ci	1.28E+02	4.36E+01	2.75E+01	3.59E+02	1.97E+02	3.15E+00	5.85E+01	1.18E+00	2.19E+02	1.85E+02
Ag+	kg	1.04E-07	1.59E-08	2.02E-14	1.02E-06	1.07E-07	6.28E-15	4.17E-07	9.15E-06	3.28E-06	4.94E-07
Al+3	kg	3.85E+04	2.73E+04	2.83E+04	1.08E+05	6.05E+04	1.03E+04	2.28E+04	3.32E+04	7.86E+04	6.17E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	2.31E+00	5.75E-01	1.07E+00	3.83E+00	1.33E-01	1.24E-08	1.22E+00	2.62E+00	1.29E+00	6.95E-01
Be+2	kg	0.00E+00									
Bi+3	kg	2.90E+02	7.34E+01	3.35E+01	2.59E+02	4.62E+02	7.06E+00	6.95E+01	3.06E+04	3.13E+03	3.57E+03
Ca+2	kg	4.16E+02	3.01E+02	1.05E+02	1.17E+03	6.54E+02	6.81E+01	3.49E+02	3.00E+03	1.10E+03	9.64E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 24 of 30)

Species	Units	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107	TX-108	TX-109	TX-110	TX-111
Cd+2	kg	0.00E+00									
Ce+3	kg	4.28E+00	4.15E+01	6.51E-06	5.03E+01	0.00E+00	0.00E+00	2.56E+04	2.19E+04	1.71E+04	4.45E+03
Cl-	kg	7.30E+03	5.18E+03	6.02E+02	2.05E+04	1.15E+04	1.07E+03	4.36E+03	1.24E+03	1.44E+04	1.11E+04
CN-	kg	0.00E+00									
Co+3	kg	0.00E+00									
CO3-2	kg	7.56E+04	5.41E+04	7.16E+03	2.12E+05	1.19E+05	9.98E+03	4.46E+04	1.56E+04	1.50E+05	1.16E+05
Cr(TOTAL)	kg	1.83E+03	1.30E+03	6.69E+02	5.14E+03	2.88E+03	3.39E+02	1.09E+03	1.28E+03	3.71E+03	2.90E+03
Cs+	kg	5.19E+00	1.87E+00	1.35E+00	1.45E+01	8.11E+00	8.04E-01	3.06E+00	4.15E-01	1.02E+01	7.84E+00
Cu+2	kg	0.00E+00									
F-	kg	2.69E+03	2.09E+03	5.32E+02	7.54E+03	4.22E+03	3.53E+02	1.60E+03	2.04E+04	7.23E+03	6.34E+03
Fe+3	kg	1.03E+03	2.01E+02	6.02E+02	2.89E+03	1.62E+03	2.19E+02	1.54E+03	4.12E+04	3.33E+03	6.17E+03
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00	1.22E+02	1.18E+01	1.37E+01						
K+	kg	2.37E+03	1.68E+03	2.48E+02	6.66E+03	3.73E+03	3.30E+02	1.40E+03	4.12E+02	4.69E+03	3.62E+03
La+3	kg	0.00E+00	2.81E+00	8.62E+00	0.00E+00						
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	3.31E+02	2.48E+02	1.30E+02	9.29E+02	5.20E+02	1.14E+02	2.00E+02	2.89E+02	6.76E+02	5.31E+02
Mo+6	kg	0.00E+00									
Na+	kg	2.94E+05	2.13E+05	3.77E+04	8.26E+05	4.62E+05	4.32E+04	1.78E+05	1.98E+05	5.96E+05	4.66E+05
Nd+3	kg	0.00E+00									
NH3	kg	1.14E+03	3.80E+02	1.32E-03	3.37E+03	1.88E+03	2.79E+01	5.52E+02	1.68E+03	2.12E+03	1.81E+03
Ni+2	kg	1.27E+02	9.03E+01	3.74E+00	3.57E+02	2.00E+02	2.27E+01	7.80E+01	3.08E+02	2.79E+02	2.26E+02
NO2-	kg	4.29E+04	3.05E+04	5.66E+03	1.20E+05	6.74E+04	7.17E+03	2.59E+04	1.62E+04	8.56E+04	6.65E+04
NO3-	kg	4.29E+05	3.10E+05	8.00E+04	1.20E+06	6.74E+05	6.19E+04	2.59E+05	1.36E+05	8.53E+05	6.61E+05
OH(BOUND)	kg	9.31E+04	6.53E+04	4.97E+04	2.61E+05	1.48E+05	2.37E+04	5.51E+04	7.37E+04	1.87E+05	1.49E+05
OH-	kg	0.00E+00									
Pb+2	kg	1.52E+02	4.87E+01	2.36E+01	5.33E+02	2.42E+02	3.71E+00	9.23E+01	8.60E+02	3.00E+02	2.18E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	1.07E+04	1.01E+04	5.50E+03	3.01E+04	1.68E+04	1.47E+03	9.43E+03	1.93E+05	3.96E+04	3.78E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	2.33E+02	1.90E+02	9.53E+01	6.54E+02	3.66E+02	9.71E+01	1.57E+02	1.28E+04	1.69E+03	1.79E+03
SO4-2	kg	2.28E+04	1.64E+04	3.76E+02	6.39E+04	3.58E+04	3.02E+03	1.40E+04	1.40E+04	4.59E+04	3.59E+04
Sr+2	kg	1.19E+00	3.55E-01	1.62E+00	2.87E+00	1.91E+00	2.93E-02	2.06E+01	1.08E+03	9.77E+01	1.12E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	1.29E+04	9.13E+03	3.68E+02	3.61E+04	2.02E+04	1.75E+03	7.61E+03	2.31E+03	2.54E+04	1.96E+04
U(TOTAL)	kg	0.00E+00	5.16E-01	2.79E-02	0.00E+00	5.28E+00	0.00E+00	0.00E+00	0.00E+00	5.09E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	2.71E+01	1.73E+01	4.98E+00	6.74E+01	3.77E+01	6.60E-01	1.52E+01	1.84E+02	6.47E+01	5.68E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 25 of 30)

Species	Units	TX-112	TX-113	TX-114	TX-115	TX-116	TX-117	TX-118	TY-101	TY-102	TY-103
106-Ru	Ci	1.02E-02	7.16E-03	8.13E-03	9.24E-03	3.03E-03	4.25E-03	2.79E-03	1.33E-08	5.19E-04	6.29E-04
113m-Cd	Ci	1.36E+02	9.33E+01	1.05E+02	1.23E+02	4.47E+01	6.33E+01	3.67E+01	3.12E-01	7.00E+00	8.98E+00
125-Sb	Ci	2.43E+02	1.64E+02	1.85E+02	2.19E+02	7.86E+01	1.10E+02	6.58E+01	2.85E-02	1.23E+01	1.56E+01
126-Sn	Ci	8.11E+00	5.56E+00	6.27E+00	7.32E+00	2.70E+00	3.80E+00	2.17E+00	3.97E-02	4.26E-01	5.48E-01
129-I	Ci	7.17E-01	4.70E-01	5.30E-01	6.46E-01	2.42E-01	3.35E-01	1.91E-01	3.44E-02	8.65E-03	4.82E-02
134-Cs	Ci	5.31E+00	2.63E+00	6.41E+00	3.52E+00	1.81E+01	1.27E+01	1.92E+00	7.92E-03	2.11E-01	2.57E-01
137-Cs	Ci	4.49E+05	3.10E+05	3.40E+05	4.07E+05	6.83E+04	2.91E+05	1.86E+05	1.72E+02	1.26E+03	1.54E+04
137m-Ba	Ci	4.24E+05	2.93E+05	3.22E+05	3.85E+05	6.45E+04	2.75E+05	1.76E+05	1.63E+02	1.19E+03	1.45E+04
14-C	Ci	5.22E+01	3.42E+01	3.86E+01	4.68E+01	1.76E+01	2.44E+01	1.38E+01	6.37E-01	3.98E-01	1.04E+00
151-Sm	Ci	1.89E+04	1.29E+04	1.46E+04	1.71E+04	6.31E+03	8.89E+03	5.05E+03	9.81E+01	9.97E+02	1.28E+03
152-Eu	Ci	5.88E+00	4.50E+00	5.10E+00	5.34E+00	1.94E+00	2.68E+00	1.70E+00	6.05E-02	3.08E-01	5.52E-01
154-Eu	Ci	9.21E+02	6.34E+02	7.18E+02	8.31E+02	2.94E+02	4.13E+02	2.53E+02	5.48E-01	4.67E+01	5.91E+01
155-Eu	Ci	3.49E+02	2.69E+02	3.04E+02	3.17E+02	1.17E+02	1.62E+02	1.01E+02	4.26E+00	1.85E+01	3.56E+01
226-Ra	Ci	2.58E-04	1.75E-04	2.00E-04	2.31E-04	1.11E-04	1.41E-04	6.47E-05	6.67E-06	1.59E-05	2.18E-05
227-Ac	Ci	1.68E-03	1.14E-03	1.29E-03	1.51E-03	7.06E-04	9.48E-04	4.12E-04	3.44E-05	9.98E-05	1.36E-04
228-Ra	Ci	4.21E-01	2.69E-01	3.02E-01	3.79E-01	1.67E-01	3.16E-01	7.70E-02	1.92E-10	2.15E-02	3.04E-02
229-Th	Ci	9.79E-03	6.21E-03	7.02E-03	8.81E-03	3.87E-03	7.30E-03	1.80E-03	3.72E-08	4.98E-04	7.04E-04
231-Pa	Ci	7.42E-03	5.01E-03	5.67E-03	6.66E-03	2.81E-03	4.02E-03	1.85E-03	7.56E-05	4.08E-04	5.43E-04
232-Th	Ci	2.59E-02	1.65E-02	1.86E-02	2.33E-02	1.03E-02	1.92E-02	4.86E-03	3.54E-11	1.32E-03	1.85E-03
232-U	Ci	5.72E-01	7.41E-02	3.27E-01	6.51E-01	9.33E-02	1.73E-01	1.86E-01	1.34E-05	4.13E-03	1.20E-01
233-U	Ci	2.19E+00	2.84E-01	1.26E+00	2.49E+00	3.57E-01	6.64E-01	7.12E-01	6.16E-07	1.58E-02	4.58E-01
234-U	Ci	6.04E-01	6.19E-01	5.82E-01	5.32E-01	8.31E-01	5.75E-01	2.41E-01	5.63E-01	2.68E-02	6.10E+00
235-U	Ci	2.49E-02	2.70E-02	2.46E-02	2.13E-02	3.65E-02	2.51E-02	9.97E-03	2.49E-02	1.17E-03	2.68E-01
236-U	Ci	1.64E-02	7.70E-03	1.17E-02	1.72E-02	9.38E-03	7.89E-03	6.32E-03	5.73E-03	3.28E-04	6.45E-02
237-Np	Ci	1.34E+00	8.81E-01	9.94E-01	1.21E+00	4.58E-01	6.36E-01	3.59E-01	5.39E-03	7.03E-02	9.23E-02
238-Pu	Ci	2.19E+00	1.83E+00	1.81E+00	1.95E+00	1.12E+00	1.25E+00	5.24E-01	9.79E-01	8.15E-03	1.92E+00
238-U	Ci	5.55E-01	6.22E-01	5.58E-01	4.74E-01	8.37E-01	5.68E-01	2.24E-01	5.72E-01	2.68E-02	6.19E+00
239-Pu	Ci	8.33E+01	9.26E+01	7.52E+01	7.02E+01	9.88E+01	8.14E+01	3.65E+03	1.29E+02	5.81E-01	1.73E+02
240-Pu	Ci	1.34E+01	1.28E+01	1.14E+01	1.17E+01	9.96E+00	9.43E+00	9.09E+02	1.21E+01	6.54E-02	1.86E+01
241-Am	Ci	9.75E+01	6.76E+01	7.65E+01	8.82E+01	2.77E+01	3.98E+01	3.81E+03	2.64E-01	2.16E+00	3.41E+01
241-Pu	Ci	1.43E+02	1.14E+02	1.18E+02	1.29E+02	6.06E+01	7.40E+01	3.48E+01	4.19E+01	4.73E-01	9.97E+01
242-Cm	Ci	2.27E-01	1.73E-01	1.96E-01	2.06E-01	7.04E-02	9.99E-02	5.69E-02	1.14E-03	4.99E-03	9.85E-02
242-Pu	Ci	7.79E-04	6.15E-04	6.41E-04	7.03E-04	3.08E-04	3.81E-04	1.91E-04	1.91E-04	2.49E-06	4.96E-04
243-Am	Ci	3.29E-03	2.33E-03	2.63E-03	2.99E-03	9.43E-04	1.35E-03	7.62E-04	1.86E-06	7.20E-05	1.14E-03
243-Cm	Ci	2.11E-02	1.60E-02	1.81E-02	1.91E-02	6.35E-03	9.09E-03	5.27E-03	2.34E-05	4.59E-04	7.64E-03
244-Cm	Ci	2.17E-01	1.52E-01	1.72E-01	1.97E-01	6.43E-02	8.98E-02	5.05E-02	4.27E-05	4.74E-03	7.64E-02
3-H	Ci	3.65E+02	2.42E+02	2.74E+02	3.30E+02	1.19E+02	1.68E+02	9.84E+01	6.67E-01	1.89E+01	2.45E+01
59-Ni	Ci	3.81E+00	2.44E+00	2.91E+00	3.36E+00	2.28E+00	2.49E+00	9.24E-01	3.75E-01	2.83E-01	4.14E-01
60-Co	Ci	5.71E+01	3.80E+01	4.30E+01	5.14E+01	1.87E+01	2.62E+01	1.53E+01	2.46E+00	3.41E-01	1.47E+00
63-Ni	Ci	3.97E+02	2.54E+02	3.02E+02	3.51E+02	2.29E+02	2.55E+02	9.62E+01	3.63E+01	2.87E+01	4.20E+01
79-Se	Ci	5.37E+00	3.68E+00	4.16E+00	4.85E+00	1.79E+00	2.53E+00	1.43E+00	2.64E-02	2.83E-01	3.64E-01
90-Sr	Ci	1.75E+05	1.33E+05	1.42E+05	1.57E+05	6.60E+04	8.59E+04	4.84E+04	7.48E+03	1.72E+03	9.44E+04
90-Y	Ci	1.74E+05	1.33E+05	1.42E+05	1.57E+05	6.58E+04	8.60E+04	4.84E+04	7.45E+03	1.72E+03	9.41E+04
93-Zr	Ci	2.64E+01	1.80E+01	2.04E+01	2.38E+01	8.79E+00	1.24E+01	7.04E+00	1.26E-01	1.38E+00	1.78E+00
93m-Nb	Ci	1.91E+01	1.31E+01	1.48E+01	1.73E+01	6.42E+00	9.05E+00	5.12E+00	1.06E-01	1.01E+00	1.30E+00
99-Tc	Ci	3.71E+02	2.42E+02	2.75E+02	3.36E+02	1.25E+02	1.75E+02	9.85E+01	5.39E+00	3.59E-01	1.66E+01
Ag+	kg	2.45E-07	7.93E-08	2.45E-07	1.03E-07	5.65E-08	2.30E-08	1.56E-05	2.38E-08	2.43E-06	6.74E-06
Al+3	kg	1.11E+05	9.10E+04	8.49E+04	1.01E+05	6.94E+04	7.34E+04	8.50E+04	2.13E+04	1.88E+02	2.98E+03
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	8.09E-01	3.63E-01	9.81E-01	1.80E-01	4.71E-01	4.64E-01	8.94E+00	3.78E-01	9.94E-01	1.65E+00
Be+2	kg	0.00E+00									
Bi+3	kg	3.37E+02	1.48E+04	6.89E+02	1.21E+02	8.71E+02	5.76E+02	7.04E+01	1.99E+04	1.81E+01	2.72E+04
Ca+2	kg	1.25E+03	2.24E+03	1.05E+03	1.09E+03	1.13E+03	1.35E+03	2.67E+03	3.24E+03	1.15E+02	5.05E+03

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 26 of 30)

Species	Units	TX-112	TX-113	TX-114	TX-115	TX-116	TX-117	TX-118	TY-101	TY-102	TY-103
Cd+2	kg	0.00E+00									
Ce+3	kg	2.25E+04	1.45E+04	4.04E+03	6.25E+03	3.37E+03	1.36E+03	1.40E+04	5.67E+02	4.42E+02	2.76E+02
Cl-	kg	2.12E+04	1.49E+04	1.62E+04	1.91E+04	1.10E+04	1.39E+04	9.00E+03	5.55E+02	1.23E+03	1.15E+03
CN-	kg	0.00E+00	5.66E+03	0.00E+00	3.69E+03						
Co+3	kg	0.00E+00									
CO3-2	kg	2.21E+05	1.55E+05	1.74E+05	1.98E+05	1.60E+05	1.67E+05	9.55E+04	5.84E+03	1.63E+04	6.25E+03
Cr(TOTAL)	kg	5.29E+03	4.19E+03	4.03E+03	4.79E+03	9.66E+02	3.47E+03	2.23E+03	6.16E+03	2.62E+01	9.89E+02
Cs+	kg	1.49E+01	1.03E+01	1.13E+01	1.35E+01	2.27E+00	9.67E+00	6.18E+00	5.72E-03	4.19E-02	5.11E-01
Cu+2	kg	0.00E+00									
F-	kg	9.41E+03	1.50E+04	1.01E+04	7.03E+03	1.19E+04	1.66E+04	3.58E+03	2.47E+03	2.15E+03	1.42E+03
Fe+3	kg	1.69E+03	1.38E+04	2.64E+03	3.61E+03	7.05E+04	6.31E+03	1.43E+04	2.94E+04	3.99E+02	2.40E+04
H2O	kg	0.00E+00									
Hg+2	kg	0.00E+00	5.83E+01	1.27E+00	0.00E+00						
K+	kg	6.91E+03	4.83E+03	5.35E+03	6.21E+03	3.88E+03	4.68E+03	2.88E+03	1.24E+02	4.27E+02	3.89E+02
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E+00	0.00E+00	0.00E+00	1.97E-05
Li+	kg	0.00E+00									
Mg+2	kg	0.00E+00									
Mn+4	kg	1.07E+03	7.84E+02	1.01E+03	8.66E+02	1.76E+03	1.40E+03	4.21E+02	4.09E+02	1.61E+01	1.68E+02
Mo+6	kg	0.00E+00									
Na+	kg	8.86E+05	6.69E+05	7.36E+05	7.70E+05	7.96E+05	8.25E+05	3.67E+05	8.89E+04	9.38E+04	1.15E+05
Nd+3	kg	0.00E+00									
NH3	kg	3.53E+03	2.92E+03	2.66E+03	3.13E+03	1.89E+03	2.24E+03	7.32E+02	2.01E+02	2.47E+02	5.99E+01
Ni+2	kg	3.66E+02	3.96E+02	2.89E+02	3.33E+02	2.19E+02	2.58E+02	9.00E+02	3.73E+03	7.52E+00	2.34E+03
NO2-	kg	1.24E+05	9.15E+04	9.46E+04	1.12E+05	1.40E+04	8.21E+04	5.15E+04	8.52E+03	7.34E+03	4.30E+04
NO3-	kg	1.29E+06	9.02E+05	1.07E+06	1.12E+06	1.72E+06	1.22E+06	5.38E+05	1.06E+05	1.50E+05	1.49E+05
OH(BOUND)	kg	2.63E+05	2.09E+05	1.95E+05	2.44E+05	7.73E+04	1.28E+05	1.97E+05	4.56E+04	5.44E+03	1.72E+04
OH-	kg	0.00E+00									
Pb+2	kg	5.40E+02	9.26E+02	3.35E+02	4.20E+02	1.05E+03	8.35E+02	1.12E+02	1.64E+02	2.91E+01	5.21E+02
Pd+2	kg	0.00E+00									
PO4-3	kg	5.54E+04	1.13E+05	8.46E+04	2.80E+04	4.48E+04	1.87E+05	1.80E+04	5.68E+04	1.33E+04	8.01E+04
Pr+3	kg	0.00E+00									
Pu+4	kg	0.00E+00									
Rb+	kg	0.00E+00									
Rh+3	kg	0.00E+00									
Ru+3	kg	0.00E+00									
Sb+5	kg	0.00E+00									
Se+6	kg	0.00E+00									
Si+4	kg	8.94E+02	6.56E+03	1.18E+03	6.10E+02	5.81E+04	1.96E+04	3.27E+02	2.83E+04	9.88E+01	5.68E+03
SO4-2	kg	6.75E+04	5.12E+04	5.44E+04	5.96E+04	9.95E+04	5.75E+04	2.78E+04	4.02E+03	5.95E+03	9.66E+03
Sr+2	kg	2.98E+00	5.32E+02	1.28E+01	2.69E+00	1.13E+00	1.47E+00	8.25E-01	4.32E+01	4.50E+00	2.03E+02
Ta+5	kg	0.00E+00									
Tc+7	kg	0.00E+00									
Te+6	kg	0.00E+00									
Th+4	kg	0.00E+00									
Ti+4	kg	0.00E+00									
Tl+3	kg	0.00E+00									
TOC	kg	3.70E+04	2.62E+04	2.80E+04	3.37E+04	2.87E+03	2.37E+04	1.54E+04	4.86E+02	1.49E+02	1.15E+03
U(TOTAL)	kg	1.19E-01	9.74E-02	0.00E+00	2.63E+00	3.16E+00	5.70E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00									
W+6	kg	0.00E+00									
Y+3	kg	0.00E+00									
Zn+2	kg	0.00E+00									
Zr+4	kg	7.14E+01	1.34E+02	5.95E+01	6.29E+01	5.87E+01	5.93E+01	2.92E+01	2.82E+02	3.71E+00	2.46E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 27 of 30)

Species	Units	TY-104	TY-105	TY-106	U-101	U-102	U-103	U-104	U-105	U-106	U-107
106-Ru	Ci	4.12E-09	4.28E-08	1.14E-10	9.24E-11	9.97E-03	9.07E-03	7.03E-04	6.79E-03	8.63E-03	5.19E-03
113m-Cd	Ci	8.91E-02	1.10E+00	2.93E-03	5.73E-02	1.27E+02	1.26E+02	1.48E+01	9.17E+01	1.05E+02	7.11E+01
125-Sb	Ci	8.59E-03	9.50E-02	2.53E-04	2.12E-03	2.37E+02	2.33E+02	1.59E+01	1.77E+02	2.05E+02	1.37E+02
126-Sn	Ci	1.11E-02	1.42E-01	3.80E-04	8.79E-03	7.43E+00	7.66E+00	9.11E-01	5.48E+00	6.16E+00	4.20E+00
129-I	Ci	4.57E-04	4.61E-02	1.56E-05	3.62E-04	6.74E-01	5.46E-01	6.29E-02	7.57E-01	5.74E-01	7.40E-01
134-Cs	Ci	3.04E-03	8.90E-04	3.18E-06	2.26E-06	4.09E+00	3.11E+00	8.24E-01	4.22E+00	3.00E+00	4.06E+00
137-Cs	Ci	1.10E+04	1.05E+04	1.58E+03	1.14E+04	2.26E+05	4.19E+05	5.16E+04	4.65E+05	2.16E+05	1.02E+05
137m-Ba	Ci	1.04E+04	9.95E+03	1.50E+03	1.08E+04	2.14E+05	3.96E+05	4.88E+04	4.41E+05	2.04E+05	9.68E+04
14-C	Ci	9.36E-01	1.05E+00	1.02E-01	2.27E-01	4.95E+01	4.95E+01	4.86E+00	4.72E+01	4.20E+01	4.37E+01
151-Sm	Ci	2.74E+01	3.53E+02	9.37E-01	2.24E+01	1.73E+04	1.78E+04	2.13E+03	1.28E+04	1.43E+04	9.79E+03
152-Eu	Ci	5.27E-02	4.43E-01	2.73E-03	5.22E-03	5.91E+00	5.98E+00	6.07E-01	4.44E+00	4.86E+00	3.39E+00
154-Eu	Ci	1.64E-01	1.85E+00	4.91E-03	5.26E-02	8.96E+02	1.98E+03	7.80E+01	1.69E+03	2.02E+03	1.04E+02
155-Eu	Ci	3.84E+00	3.33E+01	2.06E-01	7.91E-01	3.52E+02	1.82E+03	3.82E+01	1.88E+03	2.88E+02	2.01E+02
226-Ra	Ci	1.72E-06	2.58E-05	6.87E-08	1.14E-05	2.33E-04	2.63E-04	5.01E-05	1.64E-04	1.82E-04	1.24E-04
227-Ac	Ci	8.83E-06	1.32E-04	3.51E-07	2.86E-05	1.40E-03	1.56E-03	2.63E-04	1.02E-03	1.10E-03	7.60E-04
228-Ra	Ci	1.84E-10	1.69E-09	1.04E-11	7.14E-11	2.26E-01	8.28E-02	2.62E-03	1.04E-01	1.66E-01	8.87E-02
229-Th	Ci	3.57E-08	3.28E-07	2.02E-09	1.37E-08	5.30E-03	2.12E-03	1.52E-04	2.55E-03	3.91E-03	2.15E-03
231-Pa	Ci	1.96E-05	2.86E-04	7.60E-07	2.65E-05	6.19E-03	6.28E-03	1.01E-03	4.52E-03	4.96E-03	3.42E-03
232-Th	Ci	9.63E-12	1.28E-10	3.40E-13	8.74E-12	1.50E-02	8.40E-03	6.96E-04	1.11E-02	1.18E-02	9.79E-03
232-U	Ci	4.54E-05	4.47E-05	4.49E-06	4.43E-06	4.09E-02	3.79E-02	3.51E-03	4.20E-01	1.70E-02	5.37E-02
233-U	Ci	2.08E-06	2.22E-06	2.22E-07	2.65E-07	1.57E-01	1.45E-01	1.35E-02	1.61E+00	6.52E-02	2.06E-01
234-U	Ci	1.88E+00	2.38E+00	2.38E-01	3.74E-01	8.31E-01	4.62E-01	7.19E-01	5.17E+00	2.96E-01	2.82E-01
235-U	Ci	8.32E-02	1.06E-01	1.06E-02	1.68E-02	3.72E-02	2.06E-02	3.22E-02	2.31E-01	1.32E-02	1.18E-02
236-U	Ci	1.93E-02	2.04E-02	2.05E-03	2.39E-03	6.39E-03	3.93E-03	4.88E-03	4.39E-02	2.35E-03	6.73E-03
237-Np	Ci	1.51E-03	1.92E-02	5.11E-05	1.17E-03	1.27E+00	1.04E+00	1.23E-01	1.43E+00	1.07E+00	1.41E+00
238-Pu	Ci	3.89E-01	1.90E-01	2.12E-02	2.33E-01	6.68E+00	4.04E+00	2.00E-01	1.48E+01	1.95E+01	3.89E+00
238-U	Ci	1.92E+00	2.41E+00	2.42E-01	3.77E-01	8.37E-01	4.64E-01	7.23E-01	5.18E+00	2.97E-01	2.70E-01
239-Pu	Ci	4.83E+01	2.90E+01	3.25E+00	7.27E+01	2.29E+02	1.39E+02	8.02E+00	5.07E+02	6.53E+02	2.24E+02
240-Pu	Ci	4.72E+00	2.48E+00	2.78E-01	4.28E+00	3.87E+01	2.35E+01	1.19E+00	8.59E+01	1.11E+02	3.24E+01
241-Am	Ci	9.71E+00	8.61E-01	2.29E-03	2.57E+00	2.73E+02	1.66E+02	9.61E+00	8.13E+02	7.86E+02	3.47E+01
241-Pu	Ci	1.70E+01	7.49E+00	8.40E-01	2.74E+00	4.51E+02	2.73E+02	1.21E+01	9.99E+02	1.33E+03	2.24E+02
242-Cm	Ci	1.19E-01	8.10E-03	4.99E-05	5.52E-03	7.31E-01	4.43E-01	1.80E-02	2.18E+00	2.13E+00	8.93E-02
242-Pu	Ci	7.79E-05	3.37E-05	3.78E-06	8.36E-06	2.48E-03	1.50E-03	5.96E-05	5.50E-03	7.37E-03	1.02E-03
243-Am	Ci	6.94E-05	6.02E-06	1.60E-08	7.18E-06	9.71E-03	5.88E-03	2.93E-04	2.91E-02	2.93E-02	1.20E-03
243-Cm	Ci	2.45E-03	1.66E-04	1.02E-06	8.21E-05	6.76E-02	4.10E-02	1.37E-03	2.02E-01	1.99E-01	8.26E-03
244-Cm	Ci	1.65E-03	1.42E-04	3.79E-07	1.10E-04	6.58E-01	3.99E-01	1.69E-02	1.97E+00	1.97E+00	8.09E-02
3-H	Ci	1.74E-01	3.24E+00	8.63E-03	7.91E-02	3.35E+02	2.52E+02	3.80E+01	3.41E+02	2.79E+02	3.36E+02
59-Ni	Ci	9.85E-02	1.19E-01	3.18E-04	7.51E-03	3.04E+00	3.76E+00	5.30E-01	1.65E+00	2.41E+00	7.05E-01
60-Co	Ci	2.22E+00	6.69E+00	2.73E-04	3.92E-03	5.48E+01	3.73E+02	4.30E+00	2.35E+02	2.57E+02	3.34E+01
63-Ni	Ci	9.62E+00	1.15E+01	3.06E-02	7.03E-01	3.18E+02	3.90E+02	5.50E+01	1.73E+02	2.52E+02	7.34E+01
79-Se	Ci	7.38E-03	9.47E-02	2.52E-04	5.92E-03	4.92E+00	5.04E+00	6.05E-01	3.62E+00	4.07E+00	2.78E+00
90-Sr	Ci	3.18E+04	2.52E+05	9.78E+03	4.26E+04	1.66E+05	6.15E+04	7.73E+04	2.74E+04	1.06E+05	4.37E+03
90-Y	Ci	3.18E+04	2.52E+05	9.79E+03	4.25E+04	1.66E+05	6.15E+04	7.73E+04	2.74E+04	1.06E+05	4.37E+03
93-Zr	Ci	3.49E-02	4.50E-01	1.20E-03	2.81E-02	2.42E+01	2.47E+01	2.99E+00	1.78E+01	1.99E+01	1.36E+01
93m-Nb	Ci	2.94E-02	3.79E-01	1.01E-03	2.43E-02	1.75E+01	1.81E+01	2.17E+00	1.30E+01	1.45E+01	1.00E+01
99-Tc	Ci	9.07E+00	4.41E+01	1.07E+01	1.93E-01	3.49E+02	2.83E+02	3.27E+01	3.92E+02	2.98E+02	3.88E+02
Ag+	kg	4.64E-09	1.09E-07	6.18E-16	2.21E-07	5.44E-07	8.73E-11	1.24E-15	1.50E-10	8.71E-16	2.38E-07
Al+3	kg	2.67E+03	2.56E+03	6.01E+02	1.48E+04	5.29E+04	5.20E+04	3.48E+04	5.95E+04	1.29E+04	3.10E+04
As+5	kg	0.00E+00									
B+3	kg	0.00E+00									
Ba+2	kg	2.46E-01	1.55E+00	3.17E-01	7.90E-01	1.39E+00	2.39E+00	4.66E-09	4.17E-01	6.40E-01	6.88E-01
Be+2	kg	0.00E+00									
Bi+3	kg	5.24E+03	5.12E+02	4.60E+01	0.00E+00	4.43E+02	1.37E+02	0.00E+00	3.40E+03	0.00E+00	1.23E+02
Ca+2	kg	1.76E+03	8.37E+03	2.42E+02	3.95E+01	5.81E+02	1.35E+03	5.02E+02	1.95E+02	4.22E+02	4.62E+02

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 28 of 30)

Species	Units	TY-104	TY-105	TY-106	U-101	U-102	U-103	U-104	U-105	U-106	U-107
Cd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ce+3	kg	2.29E+02	2.82E+00	1.29E-08	1.50E-18	4.93E+03	1.40E-02	0.00E+00	0.00E+00	1.22E-14	1.05E+03
Cl-	kg	2.05E+02	2.20E+03	1.32E+02	3.49E+02	6.02E+03	1.15E+04	2.08E+03	9.93E+03	2.57E+03	3.69E+03
CN-	kg	2.36E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Co+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO3-2	kg	5.50E+03	1.96E+04	1.10E+02	6.10E+02	8.04E+04	8.07E+04	1.61E+04	9.41E+04	4.31E+04	1.84E+04
Cr(TOTAL)	kg	4.15E+02	1.78E+02	1.25E+01	2.83E+02	5.89E+03	5.62E+03	8.77E+02	4.96E+03	3.42E+03	3.46E+03
Cs+	kg	3.66E-01	3.49E-01	5.25E-02	3.79E-01	7.52E+00	1.39E+01	1.72E+00	1.55E+01	7.18E+00	3.39E+00
Cu+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
F-	kg	1.57E+03	0.00E+00	0.00E+00	1.77E+01	3.46E+01	2.63E+03	5.65E+02	2.77E+03	4.17E+03	5.93E+02
Fe+3	kg	9.59E+03	2.80E+04	4.02E+03	2.38E+02	1.45E+03	3.71E+03	4.60E+03	5.82E+03	4.04E+03	1.85E+03
H2O	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Hg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E+01
K+	kg	3.14E+01	4.00E+02	1.06E+00	6.37E+01	1.89E+03	3.20E+03	5.86E+02	4.26E+03	1.42E+03	1.34E+03
La+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E+01	0.00E+00	8.70E+01	3.95E+01	6.27E+00	
Li+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mg+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn+4	kg	5.09E+02	2.01E+02	4.86E+01	1.96E+02	6.46E+02	8.32E+02	4.21E+02	2.11E+03	1.53E+03	8.80E+02
Mo+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Na+	kg	3.33E+04	1.54E+05	9.21E+03	1.44E+04	4.64E+05	4.86E+05	8.45E+04	4.33E+05	2.07E+05	2.49E+05
Nd+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NH3	kg	3.75E+01	9.20E+00	2.77E-02	1.61E-03	3.15E-03	2.35E-03	6.19E+02	2.35E-03	1.91E-03	1.00E+00
Ni+2	kg	4.38E+02	1.13E+02	5.99E+00	1.73E+01	1.56E+02	2.96E+02	5.67E+01	3.46E+02	2.68E+02	7.29E+01
NO2-	kg	3.59E+03	7.73E+03	6.16E+02	4.49E+03	6.49E+04	1.49E+05	1.67E+04	1.08E+05	4.61E+04	4.04E+04
NO3-	kg	1.37E+04	2.38E+05	1.49E+04	1.81E+04	5.72E+05	5.38E+05	1.18E+05	6.25E+05	2.29E+05	5.17E+05
OH(BOUND)	kg	3.14E+04	0.00E+00	3.38E+04	3.22E+04	2.24E+05	1.64E+05	5.31E+04	1.10E+05	5.93E+04	7.30E+04
OH-	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pb+2	kg	1.70E+02	5.12E+02	3.37E+01	4.90E+00	1.33E+02	2.23E+02	4.65E+01	4.34E+02	3.80E+02	3.29E+02
Pd+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PO4-3	kg	5.01E+03	1.59E+05	5.18E+03	2.55E+02	2.34E+04	5.43E+04	2.59E+03	7.65E+04	1.18E+04	3.92E+04
Pr+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Pu+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rb+	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rh+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ru+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sb+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Se+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Si+4	kg	3.74E+02	4.92E+02	1.16E+04	1.84E+02	6.63E+02	1.61E+03	2.38E+04	1.34E+03	2.16E+02	5.34E+02
SO4-2	kg	1.54E+03	8.83E+03	1.51E+03	2.20E+02	2.72E+04	2.78E+04	4.91E+03	3.56E+04	1.12E+04	4.29E+03
Sr+2	kg	4.89E+01	7.90E+02	1.34E+01	6.15E+01	1.22E+02	4.22E+01	1.13E+02	1.76E+01	3.50E+00	1.25E+01
Ta+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc+7	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Te+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Th+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ti+4	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tl+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOC	kg	5.68E+02	1.08E+03	2.01E+02	2.55E+02	1.04E+04	2.07E+04	3.01E+03	3.99E+04	1.89E+04	3.14E+03
U(TOTAL)	kg	0.00E+00	1.90E+00	0.00E+00	0.00E+00	2.95E+00	1.87E-01	4.45E+00	0.00E+00	0.00E+00	0.00E+00
V+5	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W+6	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y+3	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zn+2	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Zr+4	kg	5.33E+01	0.00E+00	5.68E+01	9.86E+00	3.44E+01	5.68E+01	2.27E+01	6.97E+01	1.31E+02	2.32E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Revision 2

Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 29 of 30)

Species	Units	U-108	U-109	U-110	U-111	U-112	U-201	U-202	U-203	U-204
106-Ru	Ci	1.51E-02	1.67E-02	2.75E-10	0.00E+00	7.23E-08	4.18E-09	4.18E-09	3.01E-08	2.09E-09
113m-Cd	Ci	1.90E+02	2.09E+02	1.71E-01	4.08E-01	2.15E-01	5.33E-03	5.31E-03	7.89E-02	2.65E-03
125-Sb	Ci	3.69E+02	4.00E+02	6.30E-03	3.83E-01	3.73E-02	1.20E-03	1.19E-03	1.50E-02	5.97E-04
126-Sn	Ci	1.11E+01	1.22E+01	2.62E-02	4.00E-02	2.37E-02	5.50E-04	5.48E-04	8.34E-03	2.73E-04
129-I	Ci	1.05E+00	1.13E+00	1.08E-03	2.01E-03	9.76E-04	2.30E-05	2.28E-05	3.44E-04	1.14E-05
134-Cs	Ci	5.18E+00	6.04E+00	6.59E-05	5.16E-03	7.70E-04	2.52E-05	2.50E-05	2.61E-04	1.25E-05
137-Cs	Ci	2.44E+05	1.26E+05	2.65E+04	0.00E+00	1.82E+04	1.12E+03	1.12E+03	5.59E+02	2.58E+01
137m-Ba	Ci	2.31E+05	1.19E+05	2.51E+04	0.00E+00	1.72E+04	1.06E+03	1.06E+03	5.29E+02	2.44E+01
14-C	Ci	7.62E+01	8.25E+01	2.77E-01	1.17E-01	7.31E-02	1.66E-03	1.65E-03	2.55E-02	8.25E-04
151-Sm	Ci	2.57E+04	2.84E+04	6.68E+01	7.87E+01	5.58E+01	1.29E+00	1.28E+00	1.94E+01	6.42E-01
152-Eu	Ci	8.68E+00	9.62E+00	1.09E-02	3.46E-01	1.90E-01	2.65E-03	2.65E-03	3.16E-03	1.33E-03
154-Eu	Ci	2.97E+02	1.50E+03	1.57E-01	1.11E+00	6.18E-01	1.75E-02	1.74E-02	2.44E-01	8.69E-03
155-Eu	Ci	1.26E+03	5.67E+02	1.65E+00	1.62E+01	9.12E+00	1.26E-01	1.26E-01	1.50E-01	6.33E-02
226-Ra	Ci	3.04E-04	3.46E-04	1.72E-05	5.34E-05	2.96E-05	4.30E-08	4.28E-08	4.01E-07	2.14E-08
227-Ac	Ci	1.92E-03	2.14E-03	5.52E-05	2.33E-04	1.31E-04	2.21E-07	2.20E-07	2.30E-06	1.10E-07
228-Ra	Ci	2.69E-01	2.81E-01	1.48E-10	0.00E+00	2.67E-10	4.42E-12	4.42E-12	4.68E-12	2.21E-12
229-Th	Ci	6.34E-03	6.62E-03	2.85E-08	3.13E-06	5.04E-08	6.25E-10	6.25E-10	7.79E-10	3.13E-10
231-Pa	Ci	8.88E-03	9.78E-03	7.89E-05	4.23E-05	2.97E-05	5.24E-07	5.20E-07	8.17E-06	2.60E-07
232-Th	Ci	1.83E-02	1.88E-02	2.60E-11	1.68E-06	1.97E-11	6.14E-13	6.11E-13	6.84E-12	3.06E-13
232-U	Ci	3.83E-02	3.75E-02	4.43E-05	0.00E+00	1.44E-05	4.17E-07	4.17E-07	2.09E-07	2.09E-07
233-U	Ci	1.47E-01	1.44E-01	2.65E-06	0.00E+00	7.35E-07	1.55E-08	1.55E-08	7.74E-09	7.75E-09
234-U	Ci	2.38E-01	3.93E-01	3.73E+00	4.01E-01	8.69E-01	9.56E-03	9.56E-03	4.79E-03	4.79E-03
235-U	Ci	9.47E-03	1.74E-02	1.68E-01	1.88E-02	3.89E-02	4.06E-04	4.06E-04	2.04E-04	2.04E-04
236-U	Ci	1.16E-02	4.17E-03	2.38E-02	0.00E+00	7.57E-03	2.11E-04	2.11E-04	1.05E-04	1.06E-04
237-Np	Ci	1.96E+00	2.12E+00	3.48E-03	5.39E-03	3.29E-03	8.32E-05	8.32E-05	1.17E-03	4.15E-05
238-Pu	Ci	3.83E+00	1.24E+00	7.76E-01	3.32E-01	1.56E-01	7.48E-04	6.27E-05	7.64E-05	1.28E-02
238-U	Ci	1.89E-01	3.93E-01	3.77E+00	2.35E-01	8.77E-01	9.31E-03	9.31E-03	4.67E-03	4.67E-03
239-Pu	Ci	1.10E+02	5.67E+01	2.43E+02	2.40E+01	1.06E+01	4.80E-02	4.01E-03	4.90E-03	8.21E-01
240-Pu	Ci	1.82E+01	8.73E+00	1.43E+01	3.37E+00	1.46E+00	6.77E-03	5.65E-04	6.90E-04	1.16E-01
241-Am	Ci	2.18E+01	2.97E+01	8.96E+01	3.91E-01	4.70E-02	1.23E-05	1.02E-06	3.64E-05	2.08E-04
241-Pu	Ci	1.72E+02	7.79E+01	9.16E+00	1.96E+01	8.74E+00	4.13E-02	3.45E-03	4.22E-03	7.07E-01
242-Cm	Ci	5.85E-02	8.07E-02	1.34E-01	8.13E-03	9.03E-04	1.09E-07	9.13E-09	2.79E-08	1.86E-06
242-Pu	Ci	5.57E-04	3.93E-04	2.80E-05	8.97E-05	3.78E-05	1.75E-07	1.47E-08	1.79E-08	3.00E-06
243-Am	Ci	7.81E-04	1.09E-03	2.49E-04	3.07E-06	4.37E-07	1.12E-10	9.29E-12	3.41E-10	1.90E-09
243-Cm	Ci	5.42E-03	7.49E-03	1.99E-03	1.67E-04	2.07E-05	2.49E-09	2.08E-10	6.35E-10	4.25E-08
244-Cm	Ci	5.40E-02	7.42E-02	3.83E-03	3.21E-04	1.55E-05	3.90E-09	3.24E-10	1.21E-08	6.62E-08
3-H	Ci	5.13E+02	5.60E+02	2.94E-01	1.60E+00	8.39E-01	1.55E-02	1.53E-02	3.24E-01	7.66E-03
59-Ni	Ci	4.42E+00	4.82E+00	2.24E-02	6.88E-01	3.72E-01	4.41E-04	4.39E-04	3.24E-03	2.20E-04
60-Co	Ci	8.57E+01	9.22E+01	1.16E-02	5.70E-02	2.62E-02	7.18E-04	7.13E-04	1.01E-02	3.57E-04
63-Ni	Ci	4.62E+02	5.04E+02	2.10E+00	6.85E+01	3.71E+01	4.41E-02	4.39E-02	3.22E-01	2.20E-02
79-Se	Ci	7.31E+00	8.08E+00	1.76E-02	2.46E-02	1.55E-02	3.62E-04	3.59E-04	5.44E-03	1.80E-04
90-Sr	Ci	3.14E+04	2.24E+04	3.44E+05	2.65E+05	6.45E+04	4.71E+03	4.71E+03	2.35E+03	5.95E-02
90-Y	Ci	3.14E+04	2.24E+04	3.44E+05	1.59E+05	6.47E+04	4.70E+03	4.70E+03	2.35E+03	5.93E-02
93-Zr	Ci	3.59E+01	3.95E+01	8.42E-02	1.20E-01	7.31E-02	1.71E-03	1.70E-03	2.56E-02	8.49E-04
93m-Nb	Ci	2.60E+01	2.88E+01	7.24E-02	1.37E-01	6.02E-02	1.39E-03	1.38E-03	2.10E-02	6.93E-04
99-Tc	Ci	5.43E+02	5.87E+02	7.41E+00	7.37E-01	5.10E-01	1.19E-02	1.19E-02	1.80E-01	5.93E-03
Ag+	kg	2.36E-10	5.82E-08	3.82E-09	6.11E-08	3.99E-07	6.09E-08	6.38E-08	5.61E-08	1.46E-08
Al+3	kg	3.32E+04	4.80E+04	1.54E+05	3.38E+04	4.06E+04	3.21E+03	3.21E+03	1.61E+03	2.19E+03
As+5	kg	0.00E+00								
B+3	kg	0.00E+00								
Ba+2	kg	8.90E-01	5.07E-01	6.77E-01	1.57E+00	1.22E+00	1.74E-01	1.84E-01	1.62E-01	4.23E-02
Be+2	kg	0.00E+00								
Bi+3	kg	2.72E+02	1.06E+02	2.12E+04	3.19E+03	1.10E+03	1.52E+01	1.52E+01	7.62E+00	1.19E+01
Ca+2	kg	4.73E+02	4.98E+02	3.29E+03	9.89E+02	5.24E+02	1.42E+01	1.42E+01	7.10E+00	1.25E+01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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Table B3-4. Hanford 200 Area Single-Shell Tank 10/1/1999 Inventory (Solid Fraction) (Sheet 30 of 30)

Species	Units	U-108	U-109	U-110	U-111	U-112	U-201	U-202	U-203	U-204
Cd+2	kg	0.00E+00								
Ce+3	kg	3.78E-02	9.61E+00	6.16E-01	2.82E+02	3.52E+03	1.85E+02	1.84E+02	1.62E+02	3.71E+01
Cl-	kg	6.08E+03	2.96E+03	1.05E+03	0.00E+00	1.72E+02	4.20E+01	4.20E+01	2.10E+01	9.92E-01
CN-	kg	0.00E+00								
Co+3	kg	0.00E+00								
CO3-2	kg	1.07E+05	8.38E+04	4.47E+03	7.32E+01	1.46E+03	1.10E+02	1.10E+02	6.28E+01	5.49E+01
Cr(TOTAL)	kg	1.15E+04	7.45E+03	6.29E+02	1.10E+03	1.23E+02	3.19E+01	3.19E+01	1.60E+01	3.88E+00
Cs+	kg	8.10E+00	4.19E+00	8.81E-01	0.00E+00	6.05E-01	3.72E-02	3.72E-02	1.86E-02	8.58E-04
Cu+2	kg	0.00E+00								
F-	kg	2.44E+03	5.06E+03	7.25E+03	4.58E+03	2.34E+03	3.49E+01	3.49E+01	1.75E+01	3.97E+01
Fe+3	kg	5.30E+02	5.76E+02	1.30E+04	3.76E+03	1.39E+03	4.56E+01	4.56E+01	2.28E+01	2.70E+01
H2O	kg	0.00E+00								
Hg+2	kg	1.89E+01	1.74E+01	3.04E+00	0.00E+00	1.46E+01	2.91E+00	2.91E+00	1.45E+00	1.45E+00
K+	kg	4.79E+03	1.21E+03	8.87E+02	8.12E+02	1.16E+02	7.95E+00	7.95E+00	3.99E+00	2.18E+00
La+3	kg	0.00E+00	4.96E+01	0.00E+00	2.71E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Li+	kg	0.00E+00								
Mg+2	kg	0.00E+00								
Mn+4	kg	1.96E+02	1.53E+02	4.19E+03	1.16E+03	5.35E+01	1.07E+01	1.07E+01	5.36E+00	8.13E-01
Mo+6	kg	0.00E+00								
Na+	kg	5.96E+05	3.96E+05	1.14E+05	1.24E+05	2.21E+04	1.62E+03	1.62E+03	8.14E+02	1.80E+02
Nd+3	kg	0.00E+00								
NH3	kg	1.49E-01	3.18E-01	8.28E+02	2.80E+02	2.79E+02	5.37E-02	5.27E-02	2.22E+00	2.64E-02
Ni+2	kg	1.55E+02	7.54E+01	1.27E+02	2.03E+02	3.01E+01	3.42E+01	3.42E+01	1.71E+01	3.91E+01
NO2-	kg	8.79E+04	4.82E+04	9.41E+03	0.00E+00	1.17E+03	5.14E+02	5.14E+02	2.58E+02	2.98E+01
NO3-	kg	7.82E+05	5.90E+05	4.64E+04	2.14E+05	1.63E+04	2.12E+03	2.12E+03	1.06E+03	1.19E+02
OH(BOUND)	kg	2.18E+05	1.48E+05	3.27E+05	8.11E+04	7.63E+04	6.44E+03	6.44E+03	3.22E+03	4.21E+03
OH-	kg	0.00E+00								
Pb+2	kg	2.47E+02	1.10E+02	1.12E+03	3.92E+02	4.61E+02	5.99E+01	5.99E+01	3.00E+01	7.24E+01
Pd+2	kg	0.00E+00								
PO4-3	kg	6.17E+04	9.83E+04	4.82E+04	4.18E+04	2.05E+04	4.86E+01	4.86E+01	2.44E+01	2.13E+01
Pr+3	kg	0.00E+00								
Pu+4	kg	0.00E+00								
Rb+	kg	0.00E+00								
Rh+3	kg	0.00E+00								
Ru+3	kg	0.00E+00								
Sb+5	kg	0.00E+00								
Se+6	kg	0.00E+00								
Si+4	kg	8.57E+02	6.16E+02	2.28E+04	5.08E+03	7.21E+02	3.89E+01	3.89E+01	1.95E+01	2.37E+01
SO4-2	kg	4.22E+04	3.05E+04	2.61E+03	0.00E+00	8.29E+02	3.32E+01	3.32E+01	1.67E+01	5.09E+00
Sr+2	kg	5.37E-01	1.06E+00	5.16E+02	1.10E+02	1.92E+01	6.77E+00	6.77E+00	3.39E+00	3.36E-01
Ta+5	kg	0.00E+00								
Tc+7	kg	0.00E+00								
Te+6	kg	0.00E+00								
Th+4	kg	0.00E+00								
Ti+4	kg	0.00E+00								
Tl+3	kg	0.00E+00								
TOC	kg	8.94E+03	6.37E+03	9.82E+02	3.34E+03	4.39E+02	2.69E+01	2.69E+01	1.35E+01	4.67E+00
U(TOTAL)	kg	0.00E+00	0.00E+00	7.73E+00	2.66E+03	0.00E+00	1.55E-02	1.55E-02	1.27E-02	1.27E-02
V+5	kg	0.00E+00								
W+6	kg	0.00E+00								
Y+3	kg	0.00E+00								
Zn+2	kg	0.00E+00								
Zr+4	kg	2.47E+01	1.24E+01	3.82E+02	6.11E+00	5.17E+01	1.55E+00	1.55E+00	7.79E-01	2.62E-01

Note: Liquid inventory for SSTs not intended to be saltwell pumped may be represented in the solid fraction.

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B4.0 PROJECTED TRANSFERS

Analyses of future processing activities at Hanford must utilize tank compositions expected to be present at a corresponding future date. After October 1, 1999, due to facility generated waste receipts and saltwell operations, the DSTs will receive approximately 13,300 kL (3,510 kgal) of waste (HTWOS 1999), which will be transferred to one or more DSTs before being concentrated in the 242-A Evaporator.

B4.1 PROJECTED FACILITY GENERATED TRANSFERS

Transfer assumptions for the facility generated wastes, identical to those used to prepare the *Operation Waste Volume Projection* (Strode and Boyles 1999), were compiled and simulated in the HTWOS model. The compositions for facility additions are shown in Table B1-6 of section B1-8. A list of the assumed facility generated projected transfers were obtained as a text file where the transfers were sorted, and reformatted as an input file to the HTWOS model.

B4.2 SALTWELL LIQUID VOLUMES AND DURATIONS

As saltwell liquid is retrieved from the SSTs, it is pumped to the DSTs generally to be concentrated in the 242-A Evaporator. The pumpable volumes and pumping durations were generated in the *Updated Pumpable Liquid Volume Estimates and Jet Pump Durations for Interim Stabilization of Remaining Single-Shell Tanks* (Field and Vladimiroff 1999). The composition of pumped material, the water-soluble fraction of the BBI for each tank determined from the BBIM or estimated using ESP. The composition corresponding to the amount of waste pumped from each tank is transferred to its saltwell receiver tank. These data were input to the HTWOS model.

B5.0 BEST-BASIS WASH AND LEACH FACTORS

Available water wash and caustic leach data were compiled in the *Best-Basis Wash and Leach Factor Analysis* (Hendrickson et al. 1999). The wash factors were implemented in HTWOS to simulate the tank contents as they are retrieved or mobilized. The leach factors were used in HTWOS to estimate the canisters of LAW and HLW produced from the delivered feed. Sodium hydroxide is used in caustic leaching. The tank-specific leach factors provided in Hendrickson et al. 1999 were used for Phase 1 tanks. Equations derived from the global SST leach factors estimated in the *Status Report: Pretreatment Chemistry Evaluation FY 1997 – Wash and Leach Factors for the Single-shell Tank Inventory* (Colton 1997) were used for the Phase 2 wastes. Tables B5-1 and B5-2 contain the tank-specific wash factors for all waste tanks. Tables B5-3 and B5-4 contain the tank-specific leach factors for Phase 1 tanks.

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 1 of 20)

Analyte (kg)	A-101	A-102	A-103	A-104	A-105	A-106	AN-101	AN-102	AN-103
Al	8.79E-01	5.18E-01	8.96E-01	8.49E-02	8.85E-02	4.53E-01	8.28E-01	3.78E-01	8.28E-01
Bi	0.00E+00	1.74E-02	2.80E-01	0.00E+00	0.00E+00	2.13E-01	1.36E-01	2.69E-01	1.36E-01
Ca	8.50E-02	3.39E-02	8.19E-02	3.61E-01	2.79E-01	1.22E-02	6.26E-02	1.34E-01	6.26E-02
Cl	1.00E+00								
TIC as CO ₃	1.00E+00	9.98E-01	1.00E+00	6.61E-03	2.73E-01	1.00E+00	9.99E-01	1.00E+00	9.99E-01
Cr	1.17E-01	2.24E-02	3.00E-02	8.44E-01	1.00E+00	8.17E-02	4.41E-01	1.10E-01	4.41E-01
F	1.00E+00	1.00E+00	9.80E-01	1.00E+00	0.00E+00	1.00E+00	9.26E-01	9.80E-01	9.26E-01
Fe	4.49E-05	1.33E-04	1.79E-02	2.32E-06	0.00E+00	1.55E-04	8.58E-04	1.07E-02	8.58E-04
Hg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-01	5.76E-01	2.91E-01
K	1.00E+00	8.65E-01	9.32E-01	1.00E+00	1.00E+00	7.55E-01	8.93E-01	6.45E-01	8.93E-01
La	6.93E-07	4.84E-12	0.00E+00	0.00E+00	0.00E+00	1.90E-10	8.46E-07	1.12E-07	8.46E-07
Mn	1.56E-01	2.38E-02	2.29E-01	1.81E-05	2.65E-04	6.35E-02	3.50E-03	4.41E-02	3.50E-03
Na	1.00E+00	9.43E-01	9.77E-01	8.90E-01	9.21E-01	8.61E-01	9.95E-01	9.16E-01	9.95E-01
Ni	2.67E-02	2.75E-02	3.96E-01	1.93E-04	1.05E-03	1.97E-02	9.43E-03	1.38E-01	9.43E-03
NO ₂	1.00E+00	1.00E+00	9.96E-01	1.00E+00	1.00E+00	1.00E+00	9.99E-01	9.96E-01	9.99E-01
NO ₃	1.00E+00	1.00E+00	9.98E-01	1.00E+00	1.00E+00	1.00E+00	9.98E-01	9.98E-01	9.98E-01
OHTOTAL	1.00E+00								
Pb	9.19E-03	1.41E-02	7.10E-01	1.30E-01	0.00E+00	3.39E-02	4.38E-03	2.17E-01	4.38E-03
PO ₄	9.28E-01	8.11E-01	9.82E-01	4.94E-06	0.00E+00	9.09E-01	9.33E-01	8.63E-01	9.12E-01
Si	9.48E-01	7.90E-03	3.47E-02	2.78E-01	3.22E-01	1.98E-03	4.70E-01	2.34E-01	4.70E-01
SO ₄	9.84E-01	1.00E+00	9.63E-01	1.00E+00	1.00E+00	1.00E+00	9.57E-01	9.63E-01	8.63E-01
Sr	1.00E+00	2.06E-02	9.36E-03	1.00E+00	7.17E-01	5.45E-03	2.32E-01	2.33E-01	2.32E-01
TOC	3.85E-01	3.85E-01	3.85E-01	0.00E+00	0.00E+00	4.44E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	4.82E-05	0.00E+00	6.74E-03	1.59E-07	1.98E-08	0.00E+00	6.50E-02	8.55E-03	6.50E-02
Zr	1.00E+00	1.13E-02	6.61E-02	5.17E-02	0.00E+00	1.61E-02	1.68E-01	9.49E-02	1.68E-01

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 2 of 20)

Analyte (kg)	AN-104	AN-105	AN-106	AN-107	AW-101	AW-102	AW-103	AW-104	AW-105
Al	6.95E-01	3.78E-01	3.78E-01	3.58E-03	8.28E-01	3.78E-01	9.90E-02	8.28E-01	9.90E-02
Bi	2.69E-01	2.69E-01	2.69E-01	2.69E-01	1.36E-01	2.69E-01	5.99E-03	1.36E-01	5.99E-03
Ca	3.81E-02	1.34E-01	1.34E-01	3.60E-01	6.26E-02	1.34E-01	1.80E-01	6.26E-02	1.80E-01
Cl	1.00E+00								
TIC as CO ₃	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.99E-01	1.00E+00	9.93E-01	9.99E-01	9.93E-01
Cr	8.19E-02	1.10E-01	1.10E-01	0.00E+00	4.41E-01	1.10E-01	1.18E-01	4.41E-01	1.18E-01
F	9.80E-01	9.80E-01	9.80E-01	9.80E-01	9.26E-01	9.80E-01	7.38E-01	9.26E-01	7.38E-01
Fe	2.10E-02	1.07E-02	1.07E-02	5.64E-02	8.58E-04	1.07E-02	3.13E-02	8.58E-04	3.13E-02
Hg	0.00E+00	5.76E-01	5.76E-01	5.76E-01	2.91E-01	5.76E-01	2.91E-01	2.91E-01	2.91E-01
K	4.73E-01	6.45E-01	6.45E-01	5.18E-01	8.93E-01	6.45E-01	9.59E-01	8.93E-01	9.59E-01
La	1.12E-07	1.12E-07	1.12E-07	1.12E-07	8.46E-07	1.12E-07	2.29E-03	8.46E-07	2.29E-03
Mn	4.41E-02	4.41E-02	4.41E-02	2.55E-01	3.50E-03	4.41E-02	0.00E+00	3.50E-03	0.00E+00
Na	7.13E-01	7.51E-01	9.16E-01	4.16E-01	9.95E-01	9.16E-01	9.82E-01	9.95E-01	9.82E-01
Ni	1.71E-02	1.38E-01	1.38E-01	5.86E-01	9.43E-03	1.38E-01	5.00E-01	9.43E-03	5.00E-01
NO ₂	9.96E-01	9.96E-01	9.96E-01	9.96E-01	9.99E-01	9.96E-01	9.88E-01	9.99E-01	9.88E-01
NO ₃	9.98E-01	9.98E-01	9.98E-01	9.98E-01	9.98E-01	9.98E-01	9.73E-01	9.98E-01	9.73E-01
OHTOTAL	1.00E+00								
Pb	2.17E-01	2.17E-01	2.17E-01	3.36E-01	4.38E-03	2.17E-01	0.00E+00	4.38E-03	0.00E+00
PO ₄	8.93E-01	8.43E-01	8.63E-01	8.63E-01	5.08E-01	8.63E-01	9.03E-01	4.13E-01	6.93E-01
Si	2.34E-01	2.34E-01	2.34E-01	2.34E-01	4.70E-01	2.34E-01	2.55E-01	4.70E-01	2.55E-01
SO ₄	9.30E-01	8.05E-01	9.63E-01	9.63E-01	8.89E-01	9.63E-01	9.46E-01	8.76E-01	9.46E-01
Sr	4.10E-03	2.33E-01	2.33E-01	1.72E-01	2.32E-01	2.33E-01	3.37E-02	2.32E-01	3.37E-02
TOC	3.85E-01								
UTOTAL	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
Zr	9.49E-02	9.49E-02	9.49E-02	4.65E-02	1.68E-01	9.49E-02	2.78E-02	1.68E-01	2.78E-02

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 3 of 20)

Analyte (kg)	AW-106	AP-101	AP-102	AP-103	AP-104	AP-105	AP-106	AP-107	AP-108
Al	8.28E-01	3.78E-01	3.78E-01	5.73E-01	3.37E-01	5.21E-01	3.78E-01	3.78E-01	3.78E-01
Bi	1.36E-01	2.69E-01	2.69E-01	9.67E-02	5.99E-03	1.75E-03	2.69E-01	2.69E-01	2.69E-01
Ca	6.26E-02	1.34E-01	1.34E-01	1.39E-01	9.12E-02	1.97E-01	1.34E-01	1.34E-01	1.34E-01
Cl	1.00E+00								
TIC as CO ₃	9.99E-01	1.00E+00	1.00E+00	9.93E-01	9.93E-01	9.94E-01	1.00E+00	1.00E+00	1.00E+00
Cr	4.41E-01	1.10E-01	1.10E-01	3.42E-01	2.90E-01	2.30E-01	1.10E-01	1.10E-01	1.10E-01
F	9.26E-01	9.80E-01	9.80E-01	7.38E-01	7.38E-01	1.00E+00	9.80E-01	9.80E-01	9.80E-01
Fe	8.58E-04	1.07E-02	1.07E-02	9.56E-03	1.68E-02	9.53E-02	1.07E-02	1.07E-02	1.07E-02
Hg	2.91E-01	5.76E-01	5.76E-01	1.61E-01	2.91E-01	2.91E-01	5.76E-01	5.76E-01	5.76E-01
K	8.93E-01	6.45E-01	6.45E-01	9.24E-01	8.05E-01	9.70E-01	6.45E-01	6.45E-01	6.45E-01
La	8.46E-07	1.12E-07	1.12E-07	2.29E-03	2.29E-03	2.29E-03	1.12E-07	1.12E-07	1.12E-07
Mn	3.50E-03	4.41E-02	4.41E-02	3.23E-03	8.35E-03	1.10E-02	4.41E-02	4.41E-02	4.41E-02
Na	9.95E-01	9.16E-01	9.16E-01	8.98E-01	9.05E-01	9.48E-01	9.16E-01	9.16E-01	9.16E-01
Ni	9.43E-03	1.38E-01	1.38E-01	2.35E-02	7.06E-02	2.03E-01	1.38E-01	1.38E-01	1.38E-01
NO ₂	9.99E-01	9.96E-01	9.96E-01	9.88E-01	9.88E-01	9.97E-01	9.96E-01	9.96E-01	9.96E-01
NO ₃	9.98E-01	9.98E-01	9.98E-01	9.73E-01	9.73E-01	9.98E-01	9.98E-01	9.98E-01	9.98E-01
OHTOTAL	1.00E+00								
Pb	4.38E-03	2.17E-01	2.17E-01	1.39E-01	4.36E-02	1.71E-02	2.17E-01	2.17E-01	2.17E-01
PO ₄	9.33E-01	8.63E-01	8.63E-01	8.55E-01	7.65E-01	7.75E-01	8.63E-01	8.63E-01	8.63E-01
Si	4.70E-01	2.34E-01	2.34E-01	3.54E-01	1.37E-01	1.17E-01	2.34E-01	2.34E-01	2.34E-01
SO ₄	9.57E-01	9.63E-01	9.63E-01	9.49E-01	9.30E-01	9.20E-01	9.63E-01	9.63E-01	9.63E-01
Sr	2.32E-01	2.33E-01	2.33E-01	1.11E-02	1.61E-01	4.04E-01	2.33E-01	2.33E-01	2.33E-01
TOC	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.83E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
Zr	1.68E-01	9.49E-02	9.49E-02	1.35E-02	5.17E-02	1.66E-01	9.49E-02	9.49E-02	9.49E-02

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 4 of 20)

Analyte (kg)	AX-101	AX-102	AX-103	AX-104	AY-101	AY-102	AZ-101	AZ-102	B-101
Al	1.77E-01	1.90E-01	1.18E-01	1.29E-02	0.00E+00	1.07E-03	1.31E-01	5.02E-03	8.28E-01
Bi	0.00E+00	1.30E-01	3.17E-02	0.00E+00	9.67E-02	5.99E-03	2.69E-01	9.67E-02	1.36E-01
Ca	1.01E-02	5.41E-03	1.93E-03	3.41E-01	1.39E-01	0.00E+00	2.73E-03	1.36E-02	6.26E-02
Cl	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	5.90E-01	1.00E+00	1.00E+00
TIC as CO ₃	9.99E-01	1.00E+00	9.99E-01	7.97E-03	9.93E-01	9.93E-01	1.00E+00	9.93E-01	9.99E-01
Cr	5.35E-01	6.50E-01	5.29E-01	5.86E-01	3.46E-02	2.90E-01	5.23E-01	3.46E-01	4.41E-01
F	1.00E+00	1.00E+00	1.00E+00	1.00E+00	7.38E-01	7.38E-01	7.29E-01	7.38E-01	9.26E-01
Fe	0.00E+00	4.49E-07	9.79E-07	1.35E-07	0.00E+00	0.00E+00	2.01E-05	7.94E-05	8.58E-04
Hg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-01	0.00E+00	0.00E+00	3.43E-05	0.00E+00
K	1.94E-01	1.00E+00	1.49E-01	2.77E-01	1.86E-01	7.88E-02	4.81E-01	4.37E-01	8.93E-01
La	0.00E+00	0.00E+00	2.37E-09	2.29E-03	2.29E-03	2.29E-03	1.12E-07	2.29E-03	0.00E+00
Mn	5.18E-03	8.02E-03	2.55E-03	2.82E-04	0.00E+00	0.00E+00	6.05E-05	1.05E-04	0.00E+00
Na	9.99E-01	9.99E-01	9.68E-01	1.00E+00	1.86E-01	7.88E-02	7.89E-01	5.01E-01	9.95E-01
Ni	3.47E-03	8.48E-04	3.96E-04	1.15E-04	2.35E-02	7.06E-02	1.20E-04	1.27E-04	9.43E-03
NO ₂	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.88E-01	9.88E-01	7.21E-01	9.88E-01	9.99E-01
NO ₃	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.73E-01	9.73E-01	7.96E-01	9.73E-01	9.98E-01
OHTOTAL	1.00E+00								
Pb	9.82E-04	3.30E-03	9.05E-04	3.67E-04	1.39E-01	4.36E-02	0.00E+00	0.00E+00	4.38E-03
PO ₄	6.43E-01	3.26E-01	2.92E-01	2.04E-05	8.55E-01	6.93E-01	3.34E-01	0.00E+00	9.33E-01
Si	8.84E-01	1.00E+00	5.46E-01	1.34E-02	3.54E-01	1.37E-01	8.44E-01	5.87E-02	4.70E-01
SO ₄	9.63E-01	1.00E+00	1.00E+00	1.00E+00	9.49E-01	9.46E-01	7.81E-01	9.49E-01	9.57E-01
Sr	5.60E-01	1.00E+00	2.98E-01	8.71E-01	0.00E+00	0.00E+00	2.50E-02	2.57E-04	2.32E-01
TOC	3.85E-01								
UTOTAL	0.00E+00	6.77E-05	0.00E+00	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	0.00E+00
Zr	3.75E-02	6.22E-01	3.77E-02	5.17E-02	3.23E-02	0.00E+00	0.00E+00	1.29E-04	1.68E-01

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 5 of 20)

Analyte (kg)	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
Al	8.07E-02	8.07E-02	6.01E-02	2.35E-01	6.34E-02	1.15E-01	3.94E-02	8.07E-02	0.00E+00
Bi	5.59E-03	5.59E-03	0.00E+00	5.59E-03	1.08E-03	4.82E-03	5.59E-03	5.59E-03	2.12E-03
Ca	3.16E-01	3.16E-01	0.00E+00	1.00E+00	1.26E-02	8.49E-02	3.16E-01	3.16E-01	3.44E-02
Cl	1.00E+00								
TIC as CO ₃	1.00E+00								
Cr	3.18E-01	3.18E-01	2.98E-02	1.76E-01	1.25E-01	1.52E-01	9.19E-01	3.18E-01	8.63E-02
F	6.15E-01	6.15E-01	6.15E-01	6.15E-01	6.15E-01	3.89E-01	6.15E-01	6.15E-01	3.89E-01
Fe	3.81E-03	3.81E-03	0.00E+00	3.14E-03	8.95E-03	9.41E-03	3.81E-03	3.81E-03	6.15E-03
Hg	3.48E-01	0.00E+00	3.50E-01	3.48E-01	0.00E+00	2.38E-02	3.48E-01	3.48E-01	0.00E+00
K	8.61E-01	8.61E-01	9.30E-01	9.86E-01	7.05E-01	7.41E-01	9.41E-01	8.61E-01	6.62E-01
La	0.00E+00	1.64E-10							
Mn	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-02	4.19E-02	2.81E-02	0.00E+00	0.00E+00
Na	8.75E-01	8.75E-01	9.30E-01	9.86E-01	8.89E-01	8.08E-01	9.41E-01	8.75E-01	9.18E-01
Ni	1.09E-02	1.09E-02	3.33E-02	1.09E-02	8.57E-03	2.00E-02	0.00E+00	1.09E-02	0.00E+00
NO ₂	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.23E-01	1.00E+00	1.00E+00	9.23E-01
NO ₃	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.04E-01	1.00E+00	1.00E+00	9.04E-01
OHTOTAL	1.00E+00								
Pb	2.36E-02	2.36E-02	0.00E+00	0.00E+00	2.36E-02	1.82E-02	2.36E-02	2.36E-02	0.00E+00
PO ₄	5.87E-01	5.87E-01	4.50E-01	1.00E+00	4.68E-01	5.45E-01	9.66E-01	8.85E-01	4.49E-01
Si	3.81E-01	3.81E-01	1.00E-02	2.59E-02	9.92E-01	3.02E-02	1.00E+00	3.81E-01	3.82E-02
SO ₄	9.20E-01	9.20E-01	9.20E-01	9.20E-01	8.48E-01	9.38E-01	9.27E-01	9.77E-01	9.11E-01
Sr	2.43E-02	2.43E-02	0.00E+00	5.02E-01	4.80E-03	5.19E-03	2.43E-02	2.43E-02	5.03E-04
TOC	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	4.44E-01	2.76E-02	2.76E-02	4.44E-01
UTOTAL	1.33E-02	1.33E-02	9.95E-03	0.00E+00	0.00E+00	4.27E-02	1.33E-02	0.00E+00	0.00E+00
Zr	1.12E-01	1.12E-01	1.00E-02	1.12E-01	1.63E-01	1.98E-02	1.12E-01	1.12E-01	0.00E+00

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 6 of 20)

Analyte (kg)	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103
Al	0.00E+00	1.15E-01	1.30E-02	1.95E-02	5.46E-02	9.09E-02	1.78E-02	1.78E-02	9.99E-03
Bi	2.79E-03	4.82E-03	1.00E-04	3.64E-04	6.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca	1.14E-02	8.49E-02	4.15E-03	1.87E-02	2.03E-02	2.08E-02	1.42E-02	1.42E-02	7.69E-03
Cl	1.00E+00								
TIC as CO ₃	1.00E+00	1.00E+00	6.51E-01	6.51E-01	6.51E-01	6.51E-01	9.93E-01	9.93E-01	9.93E-01
Cr	2.48E-01	1.52E-01	3.00E-01	2.53E-01	2.70E-01	1.55E-01	3.03E-01	3.03E-01	2.74E-01
F	3.89E-01	3.89E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01	0.00E+00	7.38E-01
Fe	4.88E-03	9.41E-03	3.98E-04	2.45E-03	2.49E-03	2.76E-04	5.10E-02	5.10E-02	0.00E+00
Hg	0.00E+00	0.00E+00	1.00E-02	5.88E-02	0.00E+00	0.00E+00	0.00E+00	5.43E-02	3.75E-02
K	9.39E-01	7.41E-01	7.86E-01	9.97E-01	6.80E-01	7.24E-01	8.14E-01	8.14E-01	7.68E-01
La	0.00E+00	1.64E-10	1.53E-03	2.41E-03	2.41E-03	2.41E-03	0.00E+00	0.00E+00	0.00E+00
Mn	0.00E+00	4.19E-02	1.57E-04	2.28E-04	5.50E-02	1.09E-02	1.54E-03	1.54E-03	0.00E+00
Na	9.06E-01	8.08E-01	7.18E-01	9.84E-01	3.34E-01	8.47E-01	7.98E-01	7.98E-01	7.68E-01
Ni	0.00E+00	2.00E-02	4.07E-03	8.29E-03	0.00E+00	0.00E+00	4.18E-02	4.18E-02	0.00E+00
NO ₂	9.23E-01	9.23E-01	7.50E-01	9.19E-01	6.27E-01	7.50E-01	9.88E-01	9.88E-01	9.88E-01
NO ₃	9.04E-01	9.04E-01	7.93E-01	9.19E-01	6.27E-01	7.93E-01	9.73E-01	9.73E-01	9.73E-01
OHTOTAL	1.00E+00								
Pb	0.00E+00	1.82E-02	3.65E-03	1.57E-02	0.00E+00	0.00E+00	3.84E-03	3.84E-03	3.84E-03
PO ₄	4.76E-01	3.93E-01	7.33E-02	2.79E-01	4.84E-01	4.88E-01	4.08E-01	4.08E-01	4.91E-01
Si	6.57E-02	3.02E-02	4.31E-02	2.61E-01	1.67E-01	1.34E-02	3.01E-02	3.01E-02	2.94E-02
SO ₄	9.11E-01	9.11E-01	9.33E-01	9.14E-01	9.98E-01	1.00E+00	9.46E-01	9.46E-01	9.46E-01
Sr	1.93E-03	5.19E-03	6.67E-04	1.97E-03	5.01E-02	9.99E-04	4.49E-03	4.49E-03	0.00E+00
TOC	4.44E-01	4.44E-01	7.09E-01	7.09E-01	7.09E-01	7.09E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	0.00E+00	4.27E-02	0.00E+00	0.00E+00	1.66E-02	0.00E+00	3.95E-02	3.95E-02	7.98E-02
Zr	0.00E+00	1.98E-02	1.48E-02	1.04E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 7 of 20)

Analyte (kg)	BX-104	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112
Al	2.52E-02	4.22E-02	1.78E-02	9.57E-03	1.15E-01	1.45E-01	5.21E-01	5.73E-01	2.72E-02
Bi	8.16E-03	0.00E+00	0.00E+00	1.03E-02	4.82E-03	0.00E+00	0.00E+00	9.67E-02	1.30E-03
Ca	8.12E-03	1.49E-02	1.42E-02	5.03E-01	8.49E-02	2.20E-02	1.97E-01	1.39E-01	8.49E-02
Cl	1.00E+00								
TIC as CO ₃	9.98E-01	1.00E+00	9.93E-01	1.00E+00	1.00E+00	9.94E-01	9.94E-01	9.93E-01	1.00E+00
Cr	1.56E-01	3.40E-02	3.03E-01	1.84E-01	1.52E-01	3.60E-01	2.30E-01	3.42E-01	1.96E-01
F	9.95E-01	3.89E-01	7.38E-01	4.65E-01	3.89E-01	1.00E+00	1.00E+00	7.38E-01	1.26E-01
Fe	1.66E-04	3.53E-04	5.10E-02	1.06E-02	9.41E-03	1.26E-01	0.00E+00	9.56E-03	9.75E-04
Hg	0.00E+00	0.00E+00	0.00E+00	1.98E-01	2.38E-02	2.91E-01	2.91E-01	1.61E-01	2.38E-02
K	4.75E-01	5.50E-01	8.14E-01	5.67E-01	7.41E-01	9.20E-01	9.70E-01	9.24E-01	8.08E-01
La	0.00E+00	0.00E+00	0.00E+00	1.64E-10	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00
Mn	2.13E-02	0.00E+00	1.54E-03	1.47E-02	4.19E-02	0.00E+00	1.10E-02	3.23E-03	4.19E-02
Na	7.18E-01	7.18E-01	7.98E-01	6.73E-01	8.08E-01	9.20E-01	9.48E-01	8.98E-01	8.08E-01
Ni	1.08E-01	1.94E-01	4.18E-02	1.22E-01	2.00E-02	8.79E-03	2.03E-01	2.35E-02	0.00E+00
NO ₂	7.46E-01	9.23E-01	9.88E-01	9.15E-01	9.23E-01	9.97E-01	9.97E-01	9.88E-01	6.43E-01
NO ₃	7.46E-01	9.04E-01	9.73E-01	9.15E-01	9.04E-01	9.98E-01	9.98E-01	9.73E-01	6.43E-01
OHTOTAL	1.00E+00								
Pb	1.82E-02	8.81E-02	3.84E-03	1.02E-01	1.82E-02	1.71E-02	1.71E-02	1.39E-01	0.00E+00
PO ₄	8.36E-01	3.93E-01	4.08E-01	1.91E-01	3.93E-01	3.74E-01	8.83E-01	8.07E-01	2.63E-01
Si	4.05E-03	1.83E-02	3.01E-02	4.42E-02	3.02E-02	5.71E-02	1.17E-01	3.54E-01	8.50E-02
SO ₄	9.77E-01	9.11E-01	9.46E-01	9.30E-01	9.11E-01	9.24E-01	8.76E-01	6.66E-01	0.00E+00
Sr	9.79E-04	1.92E-02	4.49E-03	7.38E-03	5.19E-03	2.86E-02	7.18E-05	1.11E-02	1.56E-04
TOC	3.85E-01	4.44E-01	3.85E-01	4.44E-01	4.44E-01	3.83E-01	2.20E-01	3.85E-01	1.20E-01
UTOTAL	0.00E+00	0.00E+00	3.95E-02	0.00E+00	4.27E-02	0.00E+00	1.07E-01	0.00E+00	0.00E+00
Zr	3.88E-03	1.77E-02	0.00E+00	1.77E-02	1.98E-02	0.00E+00	1.66E-01	1.35E-02	0.00E+00

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 8 of 20)

Analyte (kg)	BY-101	BY-102	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109
Al	5.73E-01	3.37E-01	5.73E-01	7.97E-01	5.73E-01	1.00E+00	9.13E-01	6.29E-01	5.73E-01
Bi	9.67E-02	5.99E-03	9.67E-02	0.00E+00	9.67E-02	1.75E-03	1.75E-03	1.75E-03	9.67E-02
Ca	1.39E-01	9.12E-02	1.39E-01	0.00E+00	1.39E-01	4.17E-01	1.97E-01	0.00E+00	1.39E-01
Cl	1.00E+00								
TIC as CO ₃	9.93E-01	9.93E-01	9.93E-01	9.93E-01	9.93E-01	9.94E-01	9.94E-01	9.94E-01	9.93E-01
Cr	3.42E-01	2.90E-01	3.42E-01	3.09E-01	3.42E-01	3.97E-01	5.11E-02	4.88E-01	3.42E-01
F	7.38E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01	1.00E+00	1.00E+00	1.00E+00	7.38E-01
Fe	9.56E-03	1.68E-02	9.56E-03	0.00E+00	9.56E-03	4.19E-01	9.53E-02	0.00E+00	9.56E-03
Hg	0.00E+00	0.00E+00	1.61E-01	0.00E+00	0.00E+00	0.00E+00	2.91E-01	0.00E+00	0.00E+00
K	9.24E-01	8.05E-01	9.24E-01	9.98E-01	9.24E-01	1.00E+00	8.61E-01	9.61E-01	9.24E-01
La	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	3.23E-03	8.35E-03	3.23E-03	0.00E+00	3.23E-03	1.10E-02	1.10E-02	1.10E-02	3.23E-03
Na	8.98E-01	9.05E-01	8.98E-01	9.97E-01	8.98E-01	1.00E+00	8.61E-01	9.61E-01	8.98E-01
Ni	2.35E-02	7.06E-02	2.35E-02	0.00E+00	2.35E-02	5.26E-01	0.00E+00	1.80E-01	2.35E-02
NO ₂	9.88E-01	9.88E-01	9.88E-01	9.88E-01	9.88E-01	9.97E-01	9.97E-01	9.97E-01	9.88E-01
NO ₃	9.73E-01	9.73E-01	9.73E-01	9.73E-01	9.73E-01	9.98E-01	9.98E-01	9.98E-01	9.73E-01
OHTOTAL	1.00E+00								
Pb	1.39E-01	4.36E-02	1.39E-01	1.39E-01	1.39E-01	1.71E-02	1.71E-02	1.71E-02	1.39E-01
PO ₄	7.65E-01	8.93E-01	8.55E-01	9.10E-01	8.85E-01	9.92E-01	6.55E-01	7.77E-01	9.06E-01
Si	3.54E-01	1.37E-01	3.54E-01	1.74E-01	3.54E-01	4.09E-01	3.01E-01	8.00E-02	3.54E-01
SO ₄	9.49E-01	9.73E-01	9.49E-01	9.62E-01	9.43E-01	9.86E-01	9.28E-01	9.93E-01	9.48E-01
Sr	1.11E-02	1.61E-01	1.11E-02	0.00E+00	1.11E-02	4.65E-01	1.87E-02	0.00E+00	1.11E-02
TOC	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.83E-01	3.83E-01	3.83E-01	3.85E-01
UTOTAL	5.38E-02	0.00E+00	5.38E-02	0.00E+00	5.38E-02	0.00E+00	2.14E-02	0.00E+00	5.38E-02
Zr	1.35E-02	5.17E-02	1.35E-02	0.00E+00	1.35E-02	0.00E+00	1.66E-01	1.66E-01	1.35E-02

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 9 of 20)

Analyte (kg)	BY-110	BY-111	BY-112	C-101	C-102	C-103	C-104	C-105	C-106
Al	8.39E-01	5.21E-01	3.37E-01	6.41E-02	6.41E-02	5.69E-04	1.67E-02	1.65E-03	5.25E-04
Bi	1.55E-01	0.00E+00	0.00E+00	2.03E-02	2.03E-02	0.00E+00	0.00E+00	1.13E-01	3.00E-02
Ca	1.94E-01	1.97E-01	9.12E-02	3.30E-02	3.30E-02	1.00E-02	0.00E+00	9.19E-03	3.82E-03
Cl	1.00E+00								
TIC as CO ₃	9.93E-01	9.94E-01	9.93E-01	9.78E-01	9.78E-01	9.81E-01	9.78E-01	9.67E-01	9.93E-01
Cr	7.22E-01	2.30E-01	2.90E-01	3.74E-01	3.74E-01	2.11E-02	9.42E-02	4.96E-01	1.44E-03
F	7.38E-01	1.00E+00	7.38E-01	0.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	8.61E-01
Fe	7.90E-02	9.53E-02	1.68E-02	3.52E-04	3.52E-04	8.08E-05	2.29E-04	4.87E-04	2.13E-05
Hg	1.61E-01	0.00E+00	0.00E+00	3.47E-01	3.47E-01	1.00E+00	3.36E-02	1.00E+00	3.24E-02
K	9.39E-01	9.70E-01	8.05E-01	6.56E-01	6.56E-01	1.22E-01	2.58E-01	3.48E-01	1.06E-01
La	0.00E+00	2.29E-03							
Mn	1.69E-01	1.10E-02	8.35E-03	1.31E-03	1.31E-03	4.74E-03	0.00E+00	9.42E-03	2.68E-03
Na	9.40E-01	9.48E-01	9.05E-01	7.88E-01	7.88E-01	1.47E-01	6.08E-01	4.86E-01	2.04E-01
Ni	7.89E-02	2.03E-01	7.06E-02	1.62E-02	1.62E-02	1.58E-02	4.06E-02	2.80E-03	3.31E-02
NO ₂	9.88E-01	9.97E-01	9.88E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.88E-01
NO ₃	9.73E-01	9.98E-01	9.73E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.73E-01
OHTOTAL	1.00E+00								
Pb	1.80E-01	1.71E-02	4.36E-02	7.77E-02	7.77E-02	7.27E-03	1.81E-01	2.36E-01	1.87E-02
PO ₄	7.70E-01	5.50E-01	5.62E-01	8.04E-01	8.04E-01	2.70E-01	5.09E-01	5.21E-01	1.65E-01
Si	8.10E-01	1.17E-01	1.37E-01	1.82E-01	1.82E-01	1.30E-03	3.79E-02	5.60E-03	3.48E-04
SO ₄	9.68E-01	9.36E-01	8.34E-01	9.48E-01	9.48E-01	1.00E+00	1.00E+00	1.00E+00	8.42E-01
Sr	6.15E-02	4.04E-01	1.61E-01	3.06E-02	3.06E-02	1.91E-04	3.28E-01	2.25E-03	1.03E-04
TOC	3.85E-01	3.83E-01	3.85E-01						
UTOTAL	9.14E-02	2.14E-02	0.00E+00	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
Zr	0.00E+00	1.66E-01	5.17E-02	4.07E-02	4.07E-02	3.00E-03	1.56E-04	1.53E-02	5.22E-02

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 10 of 20)

Analyte (kg)	C-107	C-108	C-109	C-110	C-111	C-112	C-201	C-202	C-203
Al	1.00E-02	2.70E-02	5.70E-03	8.21E-02	5.78E-03	5.18E-02	3.75E-01	1.00E+00	1.00E+00
Bi	0.00E+00	9.00E-04	0.00E+00	6.29E-03	3.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Ca	0.00E+00	2.15E-03	5.80E-03	2.61E-01	8.88E-04	1.81E-02	6.94E-03	6.72E-03	9.48E-03
Cl	1.00E+00								
TIC as CO ₃	1.00E+00	1.00E+00	9.93E-01	1.00E+00	1.00E+00	9.93E-01	1.00E+00	1.00E+00	1.00E+00
Cr	3.70E-01	7.30E-01	7.68E-01	5.20E-01	5.13E-01	6.66E-01	1.00E+00	1.00E+00	1.00E+00
F	9.92E-01	1.00E+00	7.38E-01	3.89E-01	1.00E+00	7.38E-01	6.00E-01	1.00E+00	1.00E+00
Fe	0.00E+00	8.67E-02	6.72E-02	5.18E-02	6.83E-11	5.31E-02	9.67E-04	3.16E-11	1.35E-12
Hg	0.00E+00	1.18E-02	0.00E+00	1.55E-01	1.00E+00	7.08E-02	0.00E+00	0.00E+00	0.00E+00
K	2.30E-01	1.00E+00	9.29E-01	7.17E-01	7.82E-01	8.42E-01	1.00E+00	1.00E+00	1.00E+00
La	2.29E-03	0.00E+00	2.29E-03	0.00E+00	0.00E+00	2.29E-03	2.29E-03	2.29E-03	2.29E-03
Mn	0.00E+00	1.00E-02	3.00E-04	3.95E-02	5.12E-03	6.55E-03	8.35E-03	8.35E-03	0.00E+00
Na	2.30E-01	6.21E-01	7.88E-01	7.89E-01	8.97E-01	8.20E-01	1.00E+00	1.00E+00	1.00E+00
Ni	0.00E+00	4.75E-03	5.85E-03	7.17E-04	2.76E-07	5.96E-02	1.36E-04	8.71E-05	9.83E-05
NO ₂	1.00E+00	1.00E+00	9.88E-01	9.23E-01	1.00E+00	9.88E-01	1.00E+00	1.00E+00	1.00E+00
NO ₃	3.13E-01	1.00E+00	9.73E-01	9.04E-01	1.00E+00	9.73E-01	1.00E+00	1.00E+00	1.00E+00
OHTOTAL	1.00E+00								
Pb	6.11E-02	0.00E+00	6.00E-03	6.82E-02	4.54E-05	2.37E-03	0.00E+00	7.14E-10	2.13E-05
PO ₄	5.21E-01	8.35E-01	3.34E-01	4.14E-01	4.98E-01	3.93E-01	1.35E-02	9.30E-01	9.50E-01
Si	4.00E-02	2.58E-02	4.29E-02	3.38E-02	4.35E-01	2.25E-02	1.00E+00	1.00E+00	1.00E+00
SO ₄	9.41E-01	1.00E+00	9.46E-01	1.00E+00	1.00E+00	9.46E-01	1.00E+00	1.00E+00	1.00E+00
Sr	2.50E-03	0.00E+00	1.58E-03	4.20E-02	4.93E-02	5.53E-03	5.00E-01	5.00E-01	5.00E-01
TOC	9.35E-01	9.35E-01	3.85E-01	4.44E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	0.00E+00	0.00E+00	7.40E-03	4.27E-02	0.00E+00	4.03E-02	0.00E+00	3.21E-04	2.43E-04
Zr	0.00E+00	6.64E-04	0.00E+00	7.25E-02	5.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 11 of 20)

Analyte (kg)	C-204	S-101	S-102	S-103	S-104	S-105	S-106	S-107	S-108
Al	1.00E+00	1.30E-01	7.88E-01	1.20E-01	5.72E-02	9.77E-01	8.28E-01	9.68E-02	8.28E-01
Bi	0.00E+00	2.03E-02	1.75E-03	1.41E-01	0.00E+00	5.35E-01	1.36E-01	0.00E+00	1.36E-01
Ca	6.78E-03	6.98E-02	3.25E-01	7.26E-02	5.04E-03	1.09E-01	6.26E-02	8.13E-02	6.26E-02
Cl	1.00E+00								
TIC as CO ₃	1.00E+00	9.78E-01	9.94E-01	9.99E-01	9.78E-01	1.00E+00	9.99E-01	9.78E-01	9.99E-01
Cr	1.00E+00	3.88E-01	8.26E-02	1.26E-01	3.17E-02	5.15E-01	4.41E-01	2.89E-01	4.41E-01
F	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.26E-01	1.00E+00	9.26E-01
Fe	2.19E-11	0.00E+00	6.40E-02	8.72E-06	1.93E-03	2.73E-05	8.58E-04	4.21E-03	8.58E-04
Hg	0.00E+00	3.47E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-01	0.00E+00	0.00E+00
K	1.00E+00	9.93E-01	9.93E-01	1.00E+00	8.14E-01	1.00E+00	8.93E-01	9.41E-01	8.93E-01
La	2.29E-03	0.00E+00	2.29E-03	3.35E-05	0.00E+00	2.96E-09	0.00E+00	0.00E+00	8.46E-07
Mn	0.00E+00	0.00E+00	1.12E-02	2.25E-02	2.77E-04	0.00E+00	3.50E-03	3.69E-03	3.50E-03
Na	1.00E+00	7.94E-01	1.00E+00	9.99E-01	7.23E-01	9.97E-01	9.95E-01	9.44E-01	9.95E-01
Ni	7.92E-05	9.52E-03	2.03E-01	4.86E-03	3.41E-04	3.63E-03	9.43E-03	1.34E-02	9.43E-03
NO ₂	1.00E+00	1.00E+00	9.97E-01	1.00E+00	1.00E+00	1.00E+00	9.99E-01	1.00E+00	9.99E-01
NO ₃	1.00E+00	1.00E+00	9.98E-01	1.00E+00	1.00E+00	1.00E+00	9.98E-01	1.00E+00	9.98E-01
OHTOTAL	1.00E+00								
Pb	1.85E-09	7.77E-02	1.71E-02	3.28E-03	2.04E-04	2.41E-03	4.38E-03	7.77E-02	4.38E-03
PO ₄	9.30E-01	8.69E-01	9.88E-01	9.43E-01	9.43E-02	9.81E-01	9.32E-01	9.28E-01	9.33E-01
Si	1.00E+00	1.73E-01	9.18E-01	1.00E+00	3.84E-01	1.00E+00	4.70E-01	6.52E-01	4.70E-01
SO ₄	1.00E+00	8.72E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.28E-01	9.91E-01	9.57E-01
Sr	5.00E-01	0.00E+00	4.04E-01	4.31E-01	7.75E-04	5.00E-01	2.32E-01	0.00E+00	2.32E-01
TOC	3.85E-01	3.85E-01	3.83E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	0.00E+00	0.00E+00	2.14E-02	1.27E-09	1.09E-05	0.00E+00	6.50E-02	0.00E+00	6.50E-02
Zr	0.00E+00	4.07E-02	1.66E-01	5.27E-01	1.58E-03	3.64E-01	1.68E-01	3.09E-02	1.68E-01

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 12 of 20)

Analyte (kg)	S-109	S-110	S-111	S-112	SX-101	SX-102	SX-103	SX-104	SX-105
Al	7.92E-01	8.28E-01	2.65E-01	8.28E-01	8.33E-01	8.85E-01	9.97E-01	8.28E-01	8.28E-01
Bi	1.75E-03	1.36E-01	1.75E-03	1.36E-01	0.00E+00	1.36E-01	0.00E+00	1.36E-01	1.36E-01
Ca	1.97E-01	6.26E-02	1.97E-01	6.26E-02	6.26E-02	6.26E-02	6.26E-02	6.26E-02	6.26E-02
Cl	1.00E+00								
TIC as CO ₃	9.94E-01	9.99E-01	9.94E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01
Cr	6.83E-01	4.41E-01	2.24E-01	4.41E-01	4.41E-01	5.92E-01	3.97E-01	4.41E-01	4.41E-01
F	1.00E+00	9.26E-01	1.00E+00	9.26E-01	9.26E-01	9.26E-01	9.26E-01	9.26E-01	9.26E-01
Fe	9.53E-02	8.58E-04	7.22E-02	8.58E-04	8.58E-04	8.58E-04	8.58E-04	8.58E-04	8.58E-04
Hg	2.91E-01	2.91E-01	2.91E-01	2.91E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
K	9.87E-01	1.00E+00	1.00E+00	8.93E-01	8.93E-01	9.95E-01	9.95E-01	9.97E-01	8.93E-01
La	0.00E+00	8.46E-07	2.29E-03	8.46E-07	0.00E+00	8.46E-07	0.00E+00	8.46E-07	8.46E-07
Mn	0.00E+00	3.50E-03	1.10E-02	3.50E-03	3.50E-03	0.00E+00	0.00E+00	3.50E-03	3.50E-03
Na	9.87E-01	1.00E+00	9.10E-01	9.95E-01	9.95E-01	9.95E-01	9.97E-01	9.95E-01	9.95E-01
Ni	2.03E-01	9.43E-03	0.00E+00	9.43E-03	0.00E+00	9.43E-03	9.43E-03	9.43E-03	9.43E-03
NO ₂	9.97E-01	9.99E-01	9.96E-01	9.99E-01	9.96E-01	9.99E-01	9.99E-01	9.99E-01	9.99E-01
NO ₃	9.98E-01	9.98E-01	9.96E-01	9.98E-01	9.96E-01	9.98E-01	9.98E-01	9.98E-01	9.98E-01
OHTOTAL	1.00E+00								
Pb	1.71E-02	4.38E-03	1.71E-02	4.38E-03	0.00E+00	4.38E-03	4.38E-03	4.38E-03	4.38E-03
PO ₄	8.94E-01	9.33E-01	8.28E-01	9.33E-01	8.57E-01	9.33E-01	9.12E-01	9.96E-01	9.33E-01
Si	6.47E-01	4.70E-01	3.41E-01	4.70E-01	1.49E-01	4.70E-01	4.70E-01	4.70E-01	4.70E-01
SO ₄	9.93E-01	9.57E-01	9.47E-01	9.57E-01	9.57E-01	9.57E-01	9.34E-01	1.00E+00	9.57E-01
Sr	0.00E+00	2.32E-01	0.00E+00	2.32E-01	7.63E-03	3.74E-02	1.39E-01	2.32E-01	2.32E-01
TOC	3.83E-01	3.85E-01	3.83E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	0.00E+00	6.50E-02	2.70E-01	0.00E+00	0.00E+00	6.50E-02	0.00E+00	0.00E+00	6.50E-02
Zr	1.66E-01	1.68E-01	1.66E-01	1.68E-01	0.00E+00	1.68E-01	1.68E-01	1.68E-01	1.68E-01

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 13 of 20)

Analyte (kg)	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112	SX-113	SX-114
Al	4.00E-01	6.41E-02	1.27E-01	6.41E-02	1.62E-02	1.68E-02	1.74E-02	1.00E-02	6.41E-02
Bi	1.75E-03	2.03E-02	2.03E-02	2.03E-02	2.03E-02	2.03E-02	2.03E-02	1.67E-02	2.03E-02
Ca	1.97E-01	3.30E-02	1.73E-01	3.30E-02	1.86E-02	1.71E-02	1.72E-02	3.93E-02	3.30E-02
Cl	1.00E+00								
TIC as CO ₃	9.94E-01	9.78E-01	9.78E-01	9.78E-01	9.73E-01	9.33E-01	9.32E-01	6.33E-01	9.78E-01
Cr	2.30E-01	3.74E-01	7.30E-01	3.74E-01	5.32E-01	5.33E-01	5.35E-01	2.00E-02	3.74E-01
F	1.00E+00								
Fe	8.26E-03	3.52E-04	0.00E+00	3.52E-04	6.26E-06	1.58E-05	0.00E+00	9.84E-03	3.52E-04
Hg	0.00E+00								
K	9.70E-01	6.56E-01	9.45E-01	6.56E-01	1.00E+00	1.00E+00	1.00E+00	4.54E-01	6.56E-01
La	2.29E-03	0.00E+00							
Mn	1.10E-02	1.31E-03	0.00E+00	1.31E-03	1.26E-03	1.00E-03	1.00E-03	2.04E-02	1.31E-03
Na	9.48E-01	7.88E-01	9.36E-01	7.88E-01	9.92E-01	9.92E-01	9.92E-01	8.11E-01	7.88E-01
Ni	2.03E-01	1.62E-02	4.93E-03	1.62E-02	3.41E-03	3.55E-03	3.67E-03	0.00E+00	1.62E-02
NO ₂	9.97E-01	1.00E+00							
NO ₃	9.98E-01	1.00E+00							
OHTOTAL	1.00E+00								
Pb	1.71E-02	7.77E-02	7.77E-02	7.77E-02	1.01E-02	1.05E-02	1.08E-02	1.00E+00	7.77E-02
PO ₄	8.49E-01	8.04E-01	8.75E-02	8.04E-01	7.83E-01	7.83E-01	7.83E-01	1.97E-04	8.04E-01
Si	7.35E-03	1.82E-01	5.87E-01	1.82E-01	1.00E+00	1.00E+00	1.00E+00	2.00E-02	1.82E-01
SO ₄	9.62E-01	9.48E-01	9.83E-01	9.48E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.48E-01
Sr	2.48E-01	3.06E-02	0.00E+00	3.06E-02	1.37E-02	3.17E-02	3.25E-02	2.62E-02	3.06E-02
TOC	3.83E-01	3.85E-01	0.00E+00	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-13	0.00E+00	0.00E+00
Zr	1.66E-01	4.07E-02	0.00E+00	4.07E-02	1.91E-01	2.00E-01	2.07E-01	1.11E-02	4.07E-02

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 14 of 20)

Analyte (kg)	SX-115	SY-101	SY-102	SY-103	T-101	T-102	T-103	T-104	T-105
Al	1.91E-02	3.78E-01	2.39E-02	9.00E-02	1.50E-02	2.72E-03	1.50E-02	9.79E-03	3.60E-03
Bi	2.12E-01	2.69E-01	5.99E-03	2.69E-01	3.46E-04	3.46E-04	3.46E-04	8.83E-03	3.06E-03
Ca	1.69E-02	1.34E-01	0.00E+00	6.50E-02	1.78E-02	1.97E-02	1.78E-02	2.76E-01	1.12E-01
Cl	1.00E+00								
TIC as CO ₃	9.33E-01	1.00E+00	9.93E-01	1.00E+00	9.98E-01	9.98E-01	9.98E-01	1.00E+00	1.00E+00
Cr	5.39E-01	1.10E-01	3.31E-01	4.69E-02	2.80E-01	9.88E-01	2.80E-01	1.54E-01	3.34E-01
F	1.00E+00	9.80E-01	7.38E-01	9.80E-01	9.95E-01	9.95E-01	9.95E-01	1.92E-01	9.92E-01
Fe	2.57E-05	1.07E-02	0.00E+00	1.18E-03	1.56E-03	5.41E-03	1.56E-03	8.92E-03	4.00E-04
Hg	0.00E+00	5.76E-01	2.91E-01	5.76E-02	9.74E-01	0.00E+00	9.74E-01	0.00E+00	1.49E-01
K	1.00E+00	6.45E-01	7.79E-01	6.70E-01	5.90E-01	9.90E-01	5.90E-01	4.19E-01	8.40E-01
La	5.52E-08	1.12E-07	2.29E-03	1.12E-07	0.00E+00	0.00E+00	0.00E+00	2.29E-03	2.29E-03
Mn	4.52E-04	4.41E-02	0.00E+00	4.41E-02	4.11E-03	8.47E-03	4.11E-03	6.39E-03	2.32E-05
Na	9.92E-01	9.16E-01	7.79E-01	6.70E-01	7.37E-01	9.90E-01	7.37E-01	7.36E-01	9.71E-01
Ni	4.04E-03	1.38E-01	0.00E+00	1.38E-01	4.70E-02	0.00E+00	4.70E-02	0.00E+00	2.97E-03
NO ₂	1.00E+00	9.96E-01	9.88E-01	9.96E-01	8.68E-01	8.68E-01	8.68E-01	1.00E+00	1.00E+00
NO ₃	1.00E+00	9.98E-01	9.73E-01	9.98E-01	9.10E-01	9.10E-01	9.10E-01	1.00E+00	3.13E-01
OHTOTAL	1.00E+00								
Pb	1.18E-02	2.17E-01	0.00E+00	2.17E-01	3.98E-02	3.98E-02	3.98E-02	0.00E+00	8.38E-02
PO ₄	7.79E-01	8.63E-01	6.70E-01	8.63E-01	7.86E-01	2.60E-01	7.86E-01	2.29E-01	9.16E-01
Si	1.00E+00	2.34E-01	1.37E-01	1.74E-02	9.65E-02	1.42E-02	9.65E-02	2.62E-02	1.13E-01
SO ₄	1.00E+00	9.63E-01	9.91E-01	9.63E-01	9.77E-01	9.77E-01	9.77E-01	9.96E-01	8.63E-01
Sr	3.09E-02	2.33E-01	0.00E+00	3.92E-02	2.64E-02	0.00E+00	2.64E-02	5.86E-03	7.77E-03
TOC	3.85E-01	2.76E-02	9.35E-01						
UTOTAL	2.73E-12	8.55E-03	2.22E-02	2.24E-02	0.00E+00	0.00E+00	1.41E-04	0.00E+00	7.31E-02
Zr	2.27E-01	9.49E-02	5.17E-02	9.49E-02	0.00E+00	0.00E+00	0.00E+00	3.69E-02	0.00E+00

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 15 of 20)

Analyte (kg)	T-106	T-107	T-108	T-109	T-110	T-111	T-112	T-201	T-202
Al	1.50E-02	5.83E-02	2.22E-01	3.37E-01	1.90E-02	2.01E-02	1.90E-02	1.90E-02	1.90E-02
Bi	3.46E-04	1.92E-02	0.00E+00	5.99E-03	1.09E-02	7.91E-03	1.09E-02	1.09E-02	1.09E-02
Ca	1.78E-02	3.46E-01	0.00E+00	9.12E-02	2.08E-02	2.62E-02	2.08E-02	2.08E-02	2.08E-02
Cl	1.00E+00								
TIC as CO ₃	9.98E-01	1.00E+00	1.00E+00	9.93E-01	6.51E-01	6.51E-01	6.51E-01	6.51E-01	6.51E-01
Cr	2.80E-01	5.07E-01	3.18E-01	1.00E+00	1.55E-01	1.13E-01	1.55E-01	1.55E-01	1.55E-01
F	9.95E-01	6.15E-01	6.15E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01	7.38E-01
Fe	1.56E-03	1.17E-02	1.17E-02	1.68E-02	6.33E-03	7.00E-03	6.33E-03	6.33E-03	6.33E-03
Hg	9.74E-01	3.48E-01	3.48E-01	0.00E+00	0.00E+00	4.69E-02	4.61E-02	0.00E+00	0.00E+00
K	5.90E-01	9.02E-01	4.98E-01	8.05E-01	7.24E-01	6.34E-01	7.24E-01	7.24E-01	7.24E-01
La	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	2.61E-03	2.41E-03	2.41E-03	2.41E-03
Mn	4.11E-03	1.15E-02	0.00E+00	8.35E-03	1.09E-02	3.92E-03	1.09E-02	1.09E-02	1.09E-02
Na	7.37E-01	8.48E-01	4.98E-01	9.05E-01	8.47E-01	8.91E-01	8.47E-01	8.47E-01	8.47E-01
Ni	4.70E-02	1.05E-03	1.09E-02	0.00E+00	1.15E-02	1.29E-02	1.15E-02	1.15E-02	1.15E-02
NO ₂	8.68E-01	1.00E+00	1.00E+00	9.88E-01	7.50E-01	7.50E-01	7.50E-01	7.50E-01	7.50E-01
NO ₃	9.10E-01	1.00E+00	1.00E+00	9.73E-01	7.93E-01	7.93E-01	7.93E-01	7.93E-01	7.93E-01
OHTOTAL	1.00E+00								
Pb	3.98E-02	7.04E-02	2.36E-02	4.36E-02	1.64E-02	1.94E-02	1.64E-02	1.64E-02	1.64E-02
PO ₄	7.86E-01	9.21E-01	1.11E-01	9.89E-01	4.66E-01	5.13E-01	2.13E-01	5.60E-02	2.69E-01
Si	9.65E-02	4.07E-01	1.18E-01	1.37E-01	9.32E-02	1.01E-01	9.32E-02	9.32E-02	9.32E-02
SO ₄	9.77E-01	5.00E-01	3.91E-01	9.46E-01	9.33E-01	9.73E-01	8.10E-01	1.00E+00	1.00E+00
Sr	2.64E-02	3.25E-03	2.43E-02	1.61E-01	1.71E-02	6.58E-03	1.71E-02	1.71E-02	1.71E-02
TOC	3.85E-01	2.76E-02	2.76E-02	3.85E-01	7.09E-01	7.09E-01	7.09E-01	7.09E-01	7.09E-01
UTOTAL	1.41E-04	3.79E-02	5.60E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.70E-04	6.70E-04
Zr	6.55E-03	5.91E-02	0.00E+00	5.17E-02	1.19E-01	0.00E+00	0.00E+00	0.00E+00	1.19E-01

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 16 of 20)

Analyte (kg)	T-203	T-204	TX-101	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107
Al	1.90E-02	1.90E-02	6.41E-02	5.21E-01	5.21E-01	5.21E-01	5.21E-01	1.43E-01	5.21E-01
Bi	1.09E-02	1.09E-02	2.03E-02	1.75E-03	1.75E-03	1.75E-03	1.75E-03	1.16E-01	1.75E-03
Ca	2.08E-02	2.08E-02	3.30E-02	1.97E-01	1.97E-01	1.97E-01	1.97E-01	5.80E-02	1.97E-01
Cl	1.00E+00								
TIC as CO ₃	6.51E-01	6.51E-01	9.78E-01	9.94E-01	9.94E-01	9.94E-01	9.94E-01	1.00E+00	9.94E-01
Cr	1.55E-01	1.55E-01	3.74E-01	2.30E-01	2.30E-01	2.30E-01	2.30E-01	6.15E-01	2.30E-01
F	7.38E-01	7.38E-01	1.00E+00						
Fe	6.33E-03	5.40E-04	3.52E-04	9.53E-02	9.53E-02	9.53E-02	9.53E-02	1.02E-04	9.53E-02
Hg	0.00E+00								
K	7.24E-01	7.24E-01	6.56E-01	9.70E-01	9.70E-01	9.70E-01	9.70E-01	1.00E+00	9.70E-01
La	2.41E-03	2.41E-03	0.00E+00	0.00E+00	2.29E-03	2.29E-03	0.00E+00	0.00E+00	0.00E+00
Mn	1.09E-02	1.09E-02	1.31E-03	1.10E-02	1.10E-02	1.10E-02	1.10E-02	3.60E-02	1.10E-02
Na	8.47E-01	8.47E-01	7.88E-01	9.48E-01	9.48E-01	9.48E-01	9.48E-01	9.99E-01	9.48E-01
Ni	1.15E-02	1.15E-02	1.62E-02	2.03E-01	2.03E-01	2.03E-01	2.03E-01	1.08E-02	2.03E-01
NO ₂	7.50E-01	9.43E-01	1.00E+00	9.97E-01	9.97E-01	9.97E-01	9.97E-01	1.00E+00	9.97E-01
NO ₃	7.93E-01	9.43E-01	1.00E+00	9.98E-01	9.98E-01	9.98E-01	9.98E-01	1.00E+00	9.98E-01
OHTOTAL	1.00E+00								
Pb	1.64E-02	1.64E-02	7.77E-02	1.71E-02	1.71E-02	1.71E-02	1.71E-02	6.01E-03	1.71E-02
PO ₄	3.98E-01	3.03E-01	8.04E-01	8.60E-01	8.60E-01	8.60E-01	8.60E-01	9.45E-01	8.60E-01
Si	9.32E-02	2.95E-03	1.82E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.00E+00	1.17E-01
SO ₄	1.00E+00	9.33E-01	9.48E-01	9.62E-01	9.62E-01	9.62E-01	9.62E-01	1.00E+00	9.62E-01
Sr	1.71E-02	3.86E-01	3.06E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	1.00E+00	4.04E-01
TOC	7.09E-01	7.09E-01	3.85E-01	3.83E-01	3.83E-01	3.83E-01	3.83E-01	3.83E-01	3.83E-01
UTOTAL	6.70E-04	0.00E+00	1.04E-02	0.00E+00	2.14E-02	2.14E-02	0.00E+00	5.82E-05	0.00E+00
Zr	0.00E+00	0.00E+00	4.07E-02	1.66E-01	1.66E-01	1.66E-01	1.66E-01	4.56E-01	1.66E-01

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 17 of 20)

Analyte (kg)	TX-108	TX-109	TX-110	TX-111	TX-112	TX-113	TX-114	TX-115	TX-116
Al	5.21E-01	2.02E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	5.21E-01	5.12E-02
Bi	1.75E-03	1.24E-03	1.75E-03						
Ca	1.97E-01	3.45E-02	1.97E-01						
Cl	1.00E+00								
TIC as CO ₃	9.94E-01	1.00E+00	9.94E-01						
Cr	2.30E-01	7.01E-01	2.30E-01	2.30E-01	2.30E-01	2.30E-01	2.30E-01	2.30E-01	5.97E-01
F	1.00E+00								
Fe	9.53E-02	1.01E-07	9.53E-02	9.53E-02	9.53E-02	9.53E-02	9.53E-02	9.53E-02	0.00E+00
Hg	0.00E+00	3.48E-01	2.91E-01	2.91E-01	0.00E+00	2.91E-01	2.91E-01	0.00E+00	0.00E+00
K	9.70E-01	1.00E+00	9.70E-01	9.70E-01	9.70E-01	9.70E-01	9.70E-01	9.70E-01	9.75E-01
La	0.00E+00								
Mn	1.10E-02	1.23E-02	1.10E-02						
Na	9.48E-01	9.89E-01	9.48E-01	9.48E-01	9.48E-01	9.48E-01	9.48E-01	9.48E-01	9.75E-01
Ni	2.03E-01	5.89E-03	2.03E-01						
NO ₂	9.97E-01	1.00E+00	9.97E-01						
NO ₃	9.98E-01	1.00E+00	9.98E-01						
OHTOTAL	1.00E+00								
Pb	1.71E-02	1.06E-03	1.71E-02						
PO ₄	8.60E-01	9.79E-01	8.60E-01	8.60E-01	8.60E-01	8.60E-01	8.60E-01	8.60E-01	1.00E+00
Si	1.17E-01	1.00E+00	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	0.00E+00
SO ₄	9.62E-01	1.00E+00	9.62E-01						
Sr	4.04E-01	7.12E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	6.70E-03
TOC	3.83E-01	2.76E-02	3.83E-01						
UTOTAL	0.00E+00	0.00E+00	2.14E-02	0.00E+00	2.14E-02	2.14E-02	0.00E+00	2.14E-02	2.14E-02
Zr	1.66E-01	3.25E-01	1.66E-01						

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 18 of 20)

Analyte (kg)	TX-117	TX-118	TY-101	TY-102	TY-103	TY-104	TY-105	TY-106	U-101
Al	5.21E-01	5.21E-01	1.34E-03	3.81E-03	5.16E-04	7.53E-02	1.17E-03	4.97E-04	1.78E-02
Bi	1.75E-03	1.75E-03	3.17E-04	1.80E-01	2.57E-04	5.66E-04	1.85E-02	1.73E-03	0.00E+00
Ca	1.97E-01	1.97E-01	3.93E-03	1.97E-01	8.49E-02	9.52E-03	3.16E-01	9.12E-02	1.30E-02
Cl	1.00E+00								
TIC as CO ₃	9.94E-01	9.94E-01	1.00E+00	9.94E-01	1.00E+00	9.94E-01	1.00E+00	9.93E-01	9.29E-01
Cr	2.30E-01	2.30E-01	5.05E-02	7.73E-02	3.96E-01	7.50E-01	2.14E-01	8.00E-03	4.34E-01
F	1.00E+00	1.00E+00	9.88E-01	1.00E+00	9.90E-01	1.00E+00	0.00E+00	0.00E+00	1.00E+00
Fe	9.53E-02	9.53E-02	1.32E-03	9.76E-04	6.55E-03	5.52E-03	2.86E-05	4.95E-05	1.07E-05
Hg	0.00E+00								
K	9.70E-01	9.70E-01	1.00E+00	9.67E-01	8.31E-01	7.61E-01	7.93E-01	7.83E-01	1.00E+00
La	0.00E+00	2.29E-03	0.00E+00	0.00E+00	1.64E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	1.10E-02	1.10E-02	2.81E-02	5.82E-02	8.06E-02	7.19E-03	8.03E-02	3.28E-02	8.26E-04
Na	9.48E-01	9.48E-01	6.10E-01	9.67E-01	8.31E-01	7.61E-01	7.93E-01	7.83E-01	9.92E-01
Ni	2.03E-01	2.03E-01	1.51E-02	6.99E-02	2.51E-02	1.07E-02	1.24E-02	1.72E-02	3.72E-03
NO ₂	9.97E-01	9.97E-01	1.00E+00	9.97E-01	9.55E-01	9.59E-01	1.00E+00	9.88E-01	1.00E+00
NO ₃	9.98E-01	9.98E-01	2.11E-01	9.98E-01	9.55E-01	9.59E-01	1.00E+00	9.73E-01	1.00E+00
OHTOTAL	1.00E+00								
Pb	1.71E-02	1.71E-02	2.84E-02	1.05E-01	1.11E-02	1.77E-02	2.36E-02	4.36E-02	1.10E-02
PO ₄	8.60E-01	8.60E-01	2.18E-01	9.18E-01	3.01E-01	7.07E-01	9.05E-02	2.30E-01	6.31E-01
Si	1.17E-01	1.17E-01	8.32E-03	2.10E-01	7.72E-03	2.01E-02	1.87E-01	3.01E-02	1.00E+00
SO ₄	9.62E-01	9.62E-01	1.00E+00	9.62E-01	9.46E-01	7.75E-01	9.20E-01	9.46E-01	1.00E+00
Sr	4.04E-01	4.04E-01	1.40E-02	1.35E-02	8.57E-05	2.98E-04	1.45E-03	3.30E-04	2.52E-02
TOC	3.83E-01	3.83E-01	9.35E-01	3.83E-01	6.64E-01	8.67E-01	2.76E-02	6.85E-01	3.85E-01
UTOTAL	2.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-03	0.00E+00	0.00E+00
Zr	1.66E-01	1.66E-01	9.37E-03	4.31E-01	5.73E-02	2.60E-02	0.00E+00	7.01E-03	2.12E-01

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Table B5-1. Best Basis Chemical Wash Factors. (Sheet 19 of 20)

Analyte (kg)	U-102	U-103	U-104	U-105	U-106	U-107	U-108	U-109	U-110
Al	5.21E-01	7.76E-01	2.86E-02	4.16E-01	6.60E-01	5.21E-01	8.97E-01	6.32E-01	1.59E-02
Bi	1.75E-03	1.36E-01	0.00E+00	2.69E-01	0.00E+00	1.75E-03	1.75E-03	1.75E-03	1.29E-04
Ca	1.97E-01	6.26E-02	7.17E-03	1.34E-01	7.66E-01	1.97E-01	7.45E-01	1.97E-01	3.83E-02
Cl	1.00E+00								
TIC as CO ₃	9.94E-01	9.99E-01	9.95E-01	1.00E+00	1.00E+00	9.94E-01	9.94E-01	9.94E-01	1.00E+00
Cr	2.30E-01	4.41E-01	5.43E-01	1.10E-01	8.71E-02	2.30E-01	9.02E-02	1.54E-01	6.09E-01
F	1.00E+00	8.00E-01	1.00E+00	9.80E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Fe	9.53E-02	3.32E-03	2.94E-07	6.75E-03	4.61E-02	9.53E-02	9.53E-02	9.53E-02	3.17E-03
Hg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-01	2.91E-01	2.91E-01	1.00E+00
K	9.70E-01	8.93E-01	3.36E-01	9.83E-01	9.63E-01	9.70E-01	9.89E-01	1.00E+00	1.00E+00
La	0.00E+00	8.46E-07	0.00E+00	1.12E-07	0.00E+00	2.29E-03	0.00E+00	2.29E-03	0.00E+00
Mn	1.10E-02	3.50E-03	8.92E-03	4.41E-02	6.69E-02	1.10E-02	1.10E-02	1.10E-02	0.00E+00
Na	9.48E-01	9.95E-01	8.38E-01	9.83E-01	9.84E-01	9.48E-01	7.95E-01	1.00E+00	7.09E-01
Ni	2.03E-01	9.43E-03	4.46E-03	1.38E-01	2.35E-01	2.03E-01	7.62E-03	2.03E-01	6.46E-04
NO ₂	9.97E-01	9.99E-01	1.00E+00	9.96E-01	1.00E+00	9.97E-01	9.97E-01	9.97E-01	1.00E+00
NO ₃	9.98E-01	9.98E-01	1.00E+00	9.98E-01	1.00E+00	9.98E-01	9.98E-01	9.98E-01	1.00E+00
OHTOTAL	1.00E+00								
Pb	1.71E-02	4.38E-03	7.77E-02	2.17E-01	5.05E-01	1.71E-02	1.71E-02	1.71E-02	1.16E-01
PO ₄	8.64E-01	8.62E-01	4.52E-01	9.00E-01	8.99E-01	9.71E-01	9.16E-01	8.60E-01	8.47E-01
Si	1.17E-01	3.23E-02	2.11E-01	4.05E-01	9.51E-01	1.17E-01	1.00E+00	1.17E-01	6.27E-02
SO ₄	9.31E-01	8.94E-01	1.00E+00	9.54E-01	9.74E-01	1.00E+00	1.00E+00	9.62E-01	9.69E-01
Sr	4.04E-01	8.01E-01	2.26E-02	1.21E-01	2.33E-01	4.04E-01	4.04E-01	4.04E-01	4.82E-03
TOC	3.83E-01	3.85E-01	3.85E-01	3.85E-01	3.83E-01	3.83E-01	3.83E-01	3.83E-01	3.85E-01
UTOTAL	2.14E-02	4.77E-01	1.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.07E-06
Zr	1.66E-01	1.68E-01	3.43E-01	9.49E-02	5.56E-02	1.66E-01	1.66E-01	1.66E-01	6.84E-03

Table B5-1. Best Basis Chemical Wash Factors. (Sheet 20 of 20)

Analyte (kg)	U-111	U-112	U-201	U-202	U-203	U-204
Al	5.21E-01	3.09E-02	9.98E-03	1.01E-02	1.62E-02	2.54E-03
Bi	1.75E-03	8.27E-04	1.07E-02	1.13E-02	1.41E-02	2.76E-03
Ca	1.97E-01	1.63E-02	6.35E-03	6.67E-03	7.25E-03	1.08E-03
Cl	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
TIC as CO ₃	9.94E-01	1.00E+00	9.59E-01	9.59E-01	9.64E-01	9.96E-01
Cr	2.30E-01	4.53E-01	5.38E-01	5.39E-01	5.69E-01	5.91E-01
F	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.72E-02
Fe	9.53E-02	2.48E-07	2.32E-06	2.32E-06	7.44E-03	6.03E-07
Hg	2.91E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.13E-01
K	9.70E-01	5.01E-01	1.00E+00	1.00E+00	1.00E+00	3.06E-01
La	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mn	1.10E-02	3.09E-03	2.10E-03	2.29E-03	1.96E-03	3.50E-03
Na	9.48E-01	9.96E-01	9.93E-01	9.93E-01	9.94E-01	9.81E-01
Ni	2.03E-01	6.08E-03	2.42E-04	2.42E-04	3.59E-04	2.93E-05
NO ₂	9.97E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
NO ₃	9.98E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
OHTOTAL	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Pb	1.71E-02	1.52E-03	1.26E-04	2.78E-05	1.69E-04	2.00E-05
PO ₄	8.60E-01	9.63E-01	5.89E-01	5.89E-01	9.54E-01	7.14E-01
Si	1.17E-01	9.64E-01	1.00E+00	1.00E+00	1.20E-02	0.00E+00
SO ₄	9.62E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
Sr	4.04E-01	6.43E-02	2.60E-02	2.79E-02	2.09E-02	4.65E-02
TOC	3.83E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01	3.85E-01
UTOTAL	2.14E-02	0.00E+00	3.15E-12	3.15E-12	2.27E-12	2.75E-01
Zr	1.66E-01	7.62E-02	1.64E-01	1.66E-01	2.53E-01	2.81E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 1 of 20)

Radionuclide	A-101	A-102	A-103	A-104	A-105	A-106	AN-101	AN-102	AN-103
106-Ru	4.49E-05	1.33E-04	1.79E-02	2.32E-06	0.00E+00	1.55E-04	5.79E-04	2.01E-05	5.79E-04
113m-Cd	1.46E-01	0.00E+00	7.63E-01	1.17E-01	5.99E-01	2.93E-01	0.00E+00	1.46E-01	0.00E+00
125-Sb	2.76E-01	1.74E-02	2.80E-01	1.00E+00	1.05E-01	2.13E-01	1.86E-01	1.85E-01	1.86E-01
126-Sn	9.19E-03	1.41E-02	7.10E-01	1.30E-01	1.47E-02	3.39E-02	4.71E-03	1.10E-01	4.71E-03
129-I	1.00E+00	1.00E+00	6.86E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	6.86E-01	1.00E+00
134-Cs	1.00E+00	6.51E-01	9.91E-01	1.00E+00	1.00E+00	8.07E-01	9.62E-01	7.85E-01	9.62E-01
137m-Ba	1.00E+00	6.51E-01	9.91E-01	1.00E+00	1.00E+00	8.07E-01	9.62E-01	7.85E-01	9.62E-01
137-Cs	1.00E+00	6.51E-01	9.91E-01	1.00E+00	1.00E+00	8.07E-01	9.62E-01	7.85E-01	9.62E-01
14-C	1.00E+00	9.98E-01	9.99E-01	6.61E-03	2.73E-01	1.00E+00	1.00E+00	9.99E-01	1.00E+00
151-Sm	6.93E-07	4.84E-12	2.44E-07	2.98E-05	2.62E-13	1.90E-10	6.00E-06	2.44E-07	6.00E-06
152-Eu	6.93E-07	4.84E-12	1.45E-07	3.03E-02	2.62E-13	1.90E-10	5.76E-06	1.45E-07	5.76E-06
154-Eu	6.93E-07	4.84E-12	1.45E-07	3.03E-02	2.62E-13	1.90E-10	5.76E-06	1.45E-07	5.76E-06
155-Eu	6.93E-07	4.84E-12	1.45E-07	3.03E-02	2.62E-13	1.90E-10	5.76E-06	1.45E-07	5.76E-06
226-Ra	8.50E-02	3.39E-02	8.19E-02	3.61E-01	2.79E-01	1.22E-02	4.86E-02	1.65E-01	4.86E-02
227-Ac	6.93E-07	4.84E-12	2.21E-07	1.31E-04	2.62E-13	1.90E-10	5.13E-06	2.21E-07	5.13E-06
228-Ra	8.50E-02	3.39E-02	8.19E-02	3.61E-01	2.79E-01	1.22E-02	4.86E-02	1.65E-01	4.86E-02
229-Th	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	2.03E-01	5.04E-03	2.03E-01
231-Pa	1.00E+00	1.13E-02	6.61E-02	3.92E-04	7.93E-02	1.61E-02	2.33E-01	2.76E-01	2.33E-01
232-Th	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	2.03E-01	5.04E-03	2.03E-01
232-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
233-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
234-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
235-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
236-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
237-Np	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	1.76E-01	7.81E-03	1.76E-01
238-Pu	9.25E-03	2.22E-02	3.50E-01	9.93E-07	3.44E-04	2.49E-02	1.53E-02	4.05E-02	1.53E-02
238-U	4.82E-05	1.26E-03	6.74E-03	1.59E-07	1.98E-08	1.11E-02	6.50E-02	8.55E-03	6.50E-02
239-Pu	9.25E-03	2.22E-02	3.50E-01	9.93E-07	3.44E-04	2.49E-02	1.53E-02	4.05E-02	1.53E-02
240-Pu	9.25E-03	2.22E-02	3.50E-01	9.93E-07	3.44E-04	2.49E-02	1.53E-02	4.05E-02	1.53E-02
241-Am	4.82E-05	0.00E+00	2.71E-01	1.59E-07	1.98E-08	4.27E-03	1.22E-02	2.69E-02	1.22E-02
241-Pu	9.25E-03	2.22E-02	3.50E-01	9.93E-07	3.44E-04	2.49E-02	1.53E-02	4.05E-02	1.53E-02
242-Cm	8.79E-01	5.18E-01	8.96E-01	8.49E-02	8.85E-02	4.53E-01	5.07E-01	1.55E-01	5.07E-01
242-Pu	9.25E-03	2.22E-02	3.50E-01	9.93E-07	3.44E-04	2.49E-02	1.53E-02	4.05E-02	1.53E-02
243-Am	4.82E-05	0.00E+00	2.71E-01	1.59E-07	1.98E-08	4.27E-03	1.22E-02	2.69E-02	1.22E-02
243-Cm	8.79E-01	5.18E-01	8.96E-01	8.49E-02	8.85E-02	4.53E-01	5.07E-01	1.55E-01	5.07E-01
244-Cm	8.79E-01	5.18E-01	8.96E-01	8.49E-02	8.85E-02	4.53E-01	5.07E-01	1.55E-01	5.07E-01
3-H	1.00E+00								
59-Ni	2.67E-02	2.75E-02	3.96E-01	1.93E-04	1.05E-03	1.97E-02	9.43E-03	1.38E-01	9.43E-03
60-Co	2.67E-02	0.00E+00	3.09E-01	1.93E-04	1.05E-03	5.68E-03	1.05E-03	1.07E-01	1.05E-03
63-Ni	2.67E-02	2.75E-02	3.96E-01	1.93E-04	1.05E-03	1.97E-02	9.43E-03	1.38E-01	9.43E-03
79-Se	9.84E-01	1.00E+00	8.60E-01	1.00E+00	1.00E+00	1.00E+00	9.59E-01	8.60E-01	8.63E-01
90-Sr	1.00E+00	2.06E-02	9.36E-03	1.00E+00	7.17E-01	5.45E-03	2.32E-01	2.33E-01	2.32E-01
90-Y	1.00E+00	2.06E-02	9.36E-03	1.00E+00	7.17E-01	5.45E-03	2.32E-01	2.33E-01	2.32E-01
93m-Nb	1.00E+00	1.13E-02	6.61E-02	5.17E-02	1.66E-01	1.61E-02	1.70E-01	1.65E-01	1.70E-01
93-Zr	2.76E-01	1.74E-02	2.80E-01	1.00E+00	1.05E-01	2.13E-01	1.68E-01	9.49E-02	1.68E-01
99-Tc	1.00E+00	1.46E-01	8.77E-01	1.00E+00	1.00E+00	1.00E+00	9.26E-01	8.77E-01	9.26E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 2 of 20)

Radionuclide	AN-104	AN-105	AN-106	AN-107	AW-101	AW-102	AW-103	AW-104	AW-105
106-Ru	2.10E-02	2.01E-05	2.01E-05	5.64E-02	5.79E-04	2.01E-05	3.13E-02	5.79E-04	3.13E-02
113m-Cd	0.00E+00	1.46E-01	1.46E-01	5.76E-01	0.00E+00	1.46E-01	1.17E-01	0.00E+00	1.17E-01
125-Sb	1.85E-01	1.85E-01	1.85E-01	1.85E-01	1.86E-01	1.85E-01	1.86E-01	1.86E-01	1.86E-01
126-Sn	1.10E-01	1.10E-01	1.10E-01	3.36E-01	4.71E-03	1.10E-01	0.00E+00	4.71E-03	0.00E+00
129-I	6.86E-01	6.86E-01	6.86E-01	6.86E-01	1.00E+00	6.86E-01	7.15E-01	1.00E+00	7.15E-01
134-Cs	5.56E-01	7.85E-01	7.85E-01	5.34E-01	9.62E-01	7.85E-01	8.94E-01	9.62E-01	8.94E-01
137m-Ba	5.56E-01	7.85E-01	7.85E-01	5.34E-01	9.62E-01	7.85E-01	8.94E-01	9.62E-01	8.94E-01
137-Cs	5.56E-01	7.85E-01	7.85E-01	5.34E-01	9.62E-01	7.85E-01	8.94E-01	9.62E-01	8.94E-01
14-C	9.99E-01	9.99E-01	9.99E-01	9.99E-01	1.00E+00	9.99E-01	9.84E-01	1.00E+00	9.84E-01
151-Sm	2.44E-07	2.44E-07	2.44E-07	2.44E-07	6.00E-06	2.44E-07	2.98E-05	6.00E-06	2.98E-05
152-Eu	1.45E-07	1.45E-07	1.45E-07	1.45E-07	5.76E-06	1.45E-07	3.03E-02	5.76E-06	3.03E-02
154-Eu	1.45E-07	1.45E-07	1.45E-07	1.45E-07	5.76E-06	1.45E-07	3.03E-02	5.76E-06	3.03E-02
155-Eu	1.45E-07	1.45E-07	1.45E-07	1.45E-07	5.76E-06	1.45E-07	3.03E-02	5.76E-06	3.03E-02
226-Ra	3.81E-02	1.65E-01	1.65E-01	3.60E-01	4.86E-02	1.65E-01	1.80E-01	4.86E-02	1.80E-01
227-Ac	2.21E-07	2.21E-07	2.21E-07	2.21E-07	5.13E-06	2.21E-07	1.31E-04	5.13E-06	1.31E-04
228-Ra	3.81E-02	1.65E-01	1.65E-01	3.60E-01	4.86E-02	1.65E-01	1.80E-01	4.86E-02	1.80E-01
229-Th	1.02E-01	5.04E-03	5.04E-03	5.04E-03	2.03E-01	5.04E-03	1.41E-02	2.03E-01	1.41E-02
231-Pa	2.76E-01	2.76E-01	2.76E-01	4.65E-02	2.33E-01	2.76E-01	2.78E-02	2.33E-01	2.78E-02
232-Th	1.02E-01	5.04E-03	5.04E-03	5.04E-03	2.03E-01	5.04E-03	1.41E-02	2.03E-01	1.41E-02
232-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
233-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
234-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
235-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
236-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
237-Np	1.02E-01	7.81E-03	7.81E-03	7.81E-03	1.76E-01	7.81E-03	6.62E-02	1.76E-01	6.62E-02
238-Pu	4.05E-02	4.05E-02	4.05E-02	4.05E-02	1.53E-02	4.05E-02	3.05E-02	1.53E-02	3.05E-02
238-U	1.02E-01	8.55E-03	8.55E-03	8.55E-03	6.50E-02	8.55E-03	2.22E-02	6.50E-02	2.22E-02
239-Pu	4.05E-02	4.05E-02	4.05E-02	4.05E-02	1.53E-02	4.05E-02	3.05E-02	1.53E-02	3.05E-02
240-Pu	4.05E-02	4.05E-02	4.05E-02	4.05E-02	1.53E-02	4.05E-02	3.05E-02	1.53E-02	3.05E-02
241-Am	1.02E-01	2.69E-02	2.69E-02	2.69E-02	1.22E-02	2.69E-02	1.03E-01	1.22E-02	1.03E-01
241-Pu	4.05E-02	4.05E-02	4.05E-02	4.05E-02	1.53E-02	4.05E-02	3.05E-02	1.53E-02	3.05E-02
242-Cm	6.95E-01	1.55E-01	1.55E-01	3.58E-03	5.07E-01	1.55E-01	9.90E-02	5.07E-01	9.90E-02
242-Pu	4.05E-02	4.05E-02	4.05E-02	4.05E-02	1.53E-02	4.05E-02	3.05E-02	1.53E-02	3.05E-02
243-Am	1.02E-01	2.69E-02	2.69E-02	2.69E-02	1.22E-02	2.69E-02	1.03E-01	1.22E-02	1.03E-01
243-Cm	6.95E-01	1.55E-01	1.55E-01	3.58E-03	5.07E-01	1.55E-01	9.90E-02	5.07E-01	9.90E-02
244-Cm	6.95E-01	1.55E-01	1.55E-01	3.58E-03	5.07E-01	1.55E-01	9.90E-02	5.07E-01	9.90E-02
3-H	1.00E+00								
59-Ni	1.71E-02	1.38E-01	1.38E-01	5.86E-01	9.43E-03	1.38E-01	5.00E-01	9.43E-03	5.00E-01
60-Co	1.71E-02	1.07E-01	1.07E-01	5.86E-01	1.05E-03	1.07E-01	5.00E-01	1.05E-03	5.00E-01
63-Ni	1.71E-02	1.38E-01	1.38E-01	5.86E-01	9.43E-03	1.38E-01	5.00E-01	9.43E-03	5.00E-01
79-Se	9.30E-01	8.05E-01	8.60E-01	8.60E-01	8.89E-01	8.60E-01	9.41E-01	8.76E-01	9.41E-01
90-Sr	4.10E-03	2.33E-01	2.33E-01	1.72E-01	2.32E-01	2.33E-01	3.37E-02	2.32E-01	3.37E-02
90-Y	4.10E-03	2.33E-01	2.33E-01	1.72E-01	2.32E-01	2.33E-01	3.37E-02	2.32E-01	3.37E-02
93m-Nb	1.65E-01	1.65E-01	1.65E-01	1.65E-01	1.70E-01	1.65E-01	1.28E-01	1.70E-01	1.28E-01
93-Zr	9.49E-02	9.49E-02	9.49E-02	4.65E-02	1.68E-01	9.49E-02	2.78E-02	1.68E-01	2.78E-02
99-Tc	6.76E-01	8.77E-01	8.77E-01	8.77E-01	9.26E-01	8.77E-01	0.00E+00	9.26E-01	0.00E+00

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 3 of 20)

Radionuclide	AW-106	AP-101	AP-102	AP-103	AP-104	AP-105	AP-106	AP-107	AP-108
106-Ru	5.79E-04	2.01E-05	2.01E-05	7.94E-05	1.61E-04	1.01E-01	2.01E-05	2.01E-05	2.01E-05
113m-Cd	0.00E+00	1.46E-01	1.46E-01	7.07E-03	1.17E-01	5.99E-01	1.46E-01	1.46E-01	1.46E-01
125-Sb	1.86E-01	1.85E-01	1.85E-01	8.39E-02	1.86E-01	1.05E-01	1.85E-01	1.85E-01	1.85E-01
126-Sn	4.71E-03	1.10E-01	1.10E-01	1.59E-02	6.14E-02	1.47E-02	1.10E-01	1.10E-01	1.10E-01
129-I	1.00E+00	6.86E-01	6.86E-01	7.15E-01	7.15E-01	1.00E+00	6.86E-01	6.86E-01	6.86E-01
134-Cs	9.62E-01	7.85E-01	7.85E-01	5.04E-01	6.98E-01	7.13E-01	7.85E-01	7.85E-01	7.85E-01
137m-Ba	9.62E-01	7.85E-01	7.85E-01	5.04E-01	6.98E-01	7.13E-01	7.85E-01	7.85E-01	7.85E-01
137-Cs	9.62E-01	7.85E-01	7.85E-01	5.04E-01	6.98E-01	7.13E-01	7.85E-01	7.85E-01	7.85E-01
14-C	1.00E+00	9.99E-01	9.99E-01	6.00E-01	9.84E-01	9.48E-01	9.99E-01	9.99E-01	9.99E-01
151-Sm	6.00E-06	2.44E-07	2.44E-07	2.98E-05	2.98E-05	2.62E-13	2.44E-07	2.44E-07	2.44E-07
152-Eu	5.76E-06	1.45E-07	1.45E-07	3.03E-02	3.03E-02	2.62E-13	1.45E-07	1.45E-07	1.45E-07
154-Eu	5.76E-06	1.45E-07	1.45E-07	3.03E-02	3.03E-02	2.62E-13	1.45E-07	1.45E-07	1.45E-07
155-Eu	5.76E-06	1.45E-07	1.45E-07	3.03E-02	3.03E-02	2.62E-13	1.45E-07	1.45E-07	1.45E-07
226-Ra	4.86E-02	1.65E-01	1.65E-01	9.25E-02	7.10E-02	3.75E-01	1.65E-01	1.65E-01	1.65E-01
227-Ac	5.13E-06	2.21E-07	2.21E-07	1.31E-04	1.31E-04	2.62E-13	2.21E-07	2.21E-07	2.21E-07
228-Ra	4.86E-02	1.65E-01	1.65E-01	9.25E-02	7.10E-02	3.75E-01	1.65E-01	1.65E-01	1.65E-01
229-Th	2.03E-01	5.04E-03	5.04E-03	4.95E-02	1.41E-02	7.38E-02	5.04E-03	5.04E-03	5.04E-03
231-Pa	2.33E-01	2.76E-01	2.76E-01	1.77E-02	3.92E-04	7.93E-02	2.76E-01	2.76E-01	2.76E-01
232-Th	2.03E-01	5.04E-03	5.04E-03	4.95E-02	1.41E-02	7.38E-02	5.04E-03	5.04E-03	5.04E-03
232-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
233-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
234-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
235-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
236-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
237-Np	1.76E-01	7.81E-03	7.81E-03	4.95E-02	6.62E-02	1.79E-01	7.81E-03	7.81E-03	7.81E-03
238-Pu	1.53E-02	4.05E-02	4.05E-02	0.00E+00	1.52E-02	3.42E-02	4.05E-02	4.05E-02	4.05E-02
238-U	6.50E-02	8.55E-03	8.55E-03	5.38E-02	2.22E-02	2.14E-02	8.55E-03	8.55E-03	8.55E-03
239-Pu	1.53E-02	4.05E-02	4.05E-02	0.00E+00	1.52E-02	3.42E-02	4.05E-02	4.05E-02	4.05E-02
240-Pu	1.53E-02	4.05E-02	4.05E-02	0.00E+00	1.52E-02	3.42E-02	4.05E-02	4.05E-02	4.05E-02
241-Am	1.22E-02	2.69E-02	2.69E-02	4.95E-02	3.26E-02	1.12E-02	2.69E-02	2.69E-02	2.69E-02
241-Pu	1.53E-02	4.05E-02	4.05E-02	0.00E+00	1.52E-02	3.42E-02	4.05E-02	4.05E-02	4.05E-02
242-Cm	5.07E-01	1.55E-01	1.55E-01	2.45E-03	9.22E-02	2.85E-01	1.55E-01	1.55E-01	1.55E-01
242-Pu	1.53E-02	4.05E-02	4.05E-02	0.00E+00	1.52E-02	3.42E-02	4.05E-02	4.05E-02	4.05E-02
243-Am	1.22E-02	2.69E-02	2.69E-02	4.95E-02	3.26E-02	1.12E-02	2.69E-02	2.69E-02	2.69E-02
243-Cm	5.07E-01	1.55E-01	1.55E-01	2.45E-03	9.22E-02	2.85E-01	1.55E-01	1.55E-01	1.55E-01
244-Cm	5.07E-01	1.55E-01	1.55E-01	2.45E-03	9.22E-02	2.85E-01	1.55E-01	1.55E-01	1.55E-01
3-H	1.00E+00								
59-Ni	9.43E-03	1.38E-01	1.38E-01	2.35E-02	7.06E-02	2.03E-01	1.38E-01	1.38E-01	1.38E-01
60-Co	1.05E-03	1.07E-01	1.07E-01	6.92E-04	5.77E-02	1.14E-01	1.07E-01	1.07E-01	1.07E-01
63-Ni	9.43E-03	1.38E-01	1.38E-01	2.35E-02	7.06E-02	2.03E-01	1.38E-01	1.38E-01	1.38E-01
79-Se	9.59E-01	8.60E-01	8.60E-01	9.10E-01	9.07E-01	9.20E-01	8.60E-01	8.60E-01	8.60E-01
90-Sr	2.32E-01	2.33E-01	2.33E-01	1.11E-02	1.61E-01	4.04E-01	2.33E-01	2.33E-01	2.33E-01
90-Y	2.32E-01	2.33E-01	2.33E-01	1.11E-02	1.61E-01	4.04E-01	2.33E-01	2.33E-01	2.33E-01
93m-Nb	1.70E-01	1.65E-01	1.65E-01	8.40E-02	1.28E-01	1.05E-01	1.65E-01	1.65E-01	1.65E-01
93-Zr	1.68E-01	9.49E-02	9.49E-02	1.35E-02	5.17E-02	1.66E-01	9.49E-02	9.49E-02	9.49E-02
99-Tc	9.26E-01	8.77E-01	8.77E-01	1.52E-01	7.42E-01	3.57E-01	8.77E-01	8.77E-01	8.77E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 4 of 20)

Radionuclide	AX-101	AX-102	AX-103	AX-104	AY-101	AY-102	AZ-101	AZ-102	B-101
106-Ru	0.00E+00	4.49E-07	9.79E-07	1.35E-07	0.00E+00	0.00E+00	2.01E-05	7.94E-05	5.79E-04
113m-Cd	1.46E-01	1.46E-01	0.00E+00	1.17E-01	7.07E-03	0.00E+00	0.00E+00	3.43E-05	0.00E+00
125-Sb	3.64E-02	1.30E-01	3.17E-02	1.00E+00	8.39E-02	1.86E-01	1.85E-01	8.39E-02	1.86E-01
126-Sn	9.82E-04	3.30E-03	9.05E-04	3.67E-04	1.59E-02	6.14E-02	0.00E+00	0.00E+00	4.71E-03
129-I	1.00E+00	1.00E+00	1.00E+00	1.00E+00	7.15E-01	7.15E-01	5.82E-01	7.15E-01	1.00E+00
134-Cs	1.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	7.03E-01	5.40E-01	9.62E-01
137m-Ba	1.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	7.03E-01	5.40E-01	9.62E-01
137-Cs	1.00E+00	1.00E+00	1.00E+00	1.00E+00	0.00E+00	0.00E+00	7.03E-01	5.40E-01	9.62E-01
14-C	9.99E-01	1.00E+00	9.99E-01	7.97E-03	6.00E-01	9.84E-01	5.26E-01	6.00E-01	1.00E+00
151-Sm	3.21E-09	5.27E-10	2.37E-09	2.98E-05	2.98E-05	2.98E-05	2.44E-07	2.98E-05	6.00E-06
152-Eu	3.21E-09	5.27E-10	2.37E-09	3.03E-02	3.03E-02	3.03E-02	1.45E-07	3.03E-02	5.76E-06
154-Eu	3.21E-09	5.27E-10	2.37E-09	3.03E-02	3.03E-02	3.03E-02	1.45E-07	3.03E-02	5.76E-06
155-Eu	3.21E-09	5.27E-10	2.37E-09	3.03E-02	3.03E-02	3.03E-02	1.45E-07	3.03E-02	5.76E-06
226-Ra	1.01E-02	5.41E-03	1.93E-03	3.41E-01	9.25E-02	0.00E+00	2.73E-03	1.36E-02	4.86E-02
227-Ac	3.21E-09	5.27E-10	2.37E-09	1.31E-04	1.31E-04	1.31E-04	2.21E-07	1.31E-04	5.13E-06
228-Ra	0.00E+00	5.41E-03	1.93E-03	3.41E-01	9.25E-02	0.00E+00	2.73E-03	1.36E-02	4.86E-02
229-Th	0.00E+00	6.77E-05	6.97E-13	1.36E-09	4.95E-02	1.41E-02	5.04E-03	4.95E-02	2.03E-01
231-Pa	3.75E-02	6.22E-01	3.77E-02	3.92E-04	3.23E-02	0.00E+00	0.00E+00	1.29E-04	2.33E-01
232-Th	0.00E+00	6.77E-05	6.97E-13	1.36E-09	4.95E-02	1.41E-02	5.04E-03	4.95E-02	2.03E-01
232-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
233-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
234-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
235-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
236-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
237-Np	0.00E+00	6.77E-05	6.97E-13	1.36E-09	4.95E-02	6.62E-02	7.81E-03	4.95E-02	1.76E-01
238-Pu	3.54E-04	1.97E-04	1.54E-04	1.32E-04	0.00E+00	0.00E+00	4.05E-02	0.00E+00	1.53E-02
238-U	4.51E-12	6.77E-05	6.97E-13	1.36E-09	5.38E-02	2.22E-02	8.55E-03	5.38E-02	6.50E-02
239-Pu	3.54E-04	1.97E-04	1.54E-04	1.32E-04	0.00E+00	0.00E+00	4.05E-02	0.00E+00	1.53E-02
240-Pu	3.54E-04	1.97E-04	1.54E-04	1.32E-04	0.00E+00	0.00E+00	4.05E-02	0.00E+00	1.53E-02
241-Am	4.51E-12	6.77E-05	6.97E-13	1.36E-09	4.95E-02	0.00E+00	2.83E-02	4.95E-02	1.22E-02
241-Pu	3.54E-04	1.97E-04	1.54E-04	1.32E-04	0.00E+00	0.00E+00	4.05E-02	0.00E+00	1.53E-02
242-Cm	1.77E-01	1.90E-01	1.18E-01	1.29E-02	0.00E+00	1.07E-03	1.31E-01	5.02E-03	5.07E-01
242-Pu	3.54E-04	1.97E-04	1.54E-04	1.32E-04	0.00E+00	0.00E+00	4.05E-02	0.00E+00	1.53E-02
243-Am	4.51E-12	6.77E-05	6.97E-13	1.36E-09	4.95E-02	0.00E+00	2.83E-02	4.95E-02	1.22E-02
243-Cm	1.77E-01	1.90E-01	1.18E-01	1.29E-02	0.00E+00	1.07E-03	1.31E-01	5.02E-03	5.07E-01
244-Cm	1.77E-01	1.90E-01	1.18E-01	1.29E-02	0.00E+00	1.07E-03	1.31E-01	5.02E-03	5.07E-01
3-H	1.00E+00								
59-Ni	3.47E-03	8.48E-04	3.96E-04	1.15E-04	2.35E-02	7.06E-02	1.20E-04	1.27E-04	9.43E-03
60-Co	3.47E-03	8.48E-04	3.96E-04	1.15E-04	6.92E-04	5.77E-02	8.01E-02	1.27E-04	1.05E-03
63-Ni	3.47E-03	8.48E-04	3.96E-04	1.15E-04	2.35E-02	7.06E-02	1.20E-04	1.27E-04	9.43E-03
79-Se	8.60E-01	1.00E+00	1.00E+00	1.00E+00	9.10E-01	9.41E-01	7.81E-01	9.10E-01	9.59E-01
90-Sr	5.60E-01	1.00E+00	2.98E-01	8.71E-01	0.00E+00	0.00E+00	2.50E-02	2.57E-04	2.32E-01
90-Y	5.60E-01	1.00E+00	2.98E-01	8.71E-01	0.00E+00	0.00E+00	2.50E-02	2.57E-04	2.32E-01
93m-Nb	3.75E-02	6.22E-01	3.77E-02	5.17E-02	8.40E-02	1.28E-01	1.65E-01	8.40E-02	1.68E-01
93-Zr	3.64E-02	1.30E-01	3.17E-02	1.00E+00	3.23E-02	0.00E+00	0.00E+00	1.29E-04	1.70E-01
99-Tc	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.52E-01	7.42E-01	5.90E-01	1.52E-01	9.26E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 5 of 20)

Radionuclide	B-102	B-103	B-104	B-105	B-106	B-107	B-108	B-109	B-110
106-Ru	8.91E-03	8.91E-03	0.00E+00	3.14E-03	8.95E-03	7.76E-04	8.91E-03	8.91E-03	6.15E-03
113m-Cd	1.84E-01	1.84E-01	3.50E-01	1.84E-01	1.84E-01	1.88E-01	1.84E-01	1.84E-01	2.02E-01
125-Sb	8.24E-03	8.24E-03	0.00E+00	8.24E-03	1.08E-03	1.43E-01	8.24E-03	8.24E-03	2.12E-03
126-Sn	7.44E-03	7.44E-03	7.44E-03	7.44E-03	7.44E-03	2.65E-02	7.44E-03	7.44E-03	0.00E+00
129-I	1.00E+00								
134-Cs	3.24E-01	3.24E-01	0.00E+00	6.82E-03	5.10E-01	5.74E-01	3.24E-01	3.24E-01	5.69E-01
137m-Ba	3.24E-01	3.24E-01	0.00E+00	6.82E-03	5.10E-01	5.74E-01	3.24E-01	3.24E-01	5.69E-01
137-Cs	3.24E-01	3.24E-01	0.00E+00	6.82E-03	5.10E-01	5.74E-01	3.24E-01	3.24E-01	5.69E-01
14-C	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.79E-01	1.00E+00	1.00E+00	9.79E-01
151-Sm	2.98E-05	2.98E-05	2.98E-05	2.98E-05	2.98E-05	6.04E-05	2.98E-05	2.98E-05	6.04E-05
152-Eu	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	3.78E-05	1.00E+00	1.00E+00	3.78E-05
154-Eu	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	3.78E-05	1.00E+00	1.00E+00	3.78E-05
155-Eu	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	3.78E-05	1.00E+00	1.00E+00	3.78E-05
226-Ra	2.46E-01	2.46E-01	0.00E+00	1.00E+00	1.26E-02	1.29E-02	2.46E-01	2.46E-01	3.44E-02
227-Ac	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	2.25E-04	1.31E-04	1.31E-04	2.25E-04
228-Ra	2.46E-01	2.46E-01	0.00E+00	1.00E+00	1.26E-02	1.29E-02	2.46E-01	2.46E-01	3.44E-02
229-Th	6.69E-03	6.69E-03	9.95E-03	0.00E+00	3.55E-03	2.97E-02	6.69E-03	6.69E-03	0.00E+00
231-Pa	7.80E-02	7.80E-02	1.00E-02	7.80E-02	1.63E-01	1.34E-02	7.80E-02	7.80E-02	0.00E+00
232-Th	6.69E-03	6.69E-03	9.95E-03	0.00E+00	3.55E-03	2.97E-02	6.69E-03	6.69E-03	0.00E+00
232-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
233-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
234-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
235-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
236-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
237-Np	1.95E-02	1.95E-02	9.95E-03	0.00E+00	3.55E-03	1.04E-01	1.95E-02	1.95E-02	0.00E+00
238-Pu	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	4.65E-02	3.03E-03	3.03E-03	1.30E-02
238-U	1.33E-02	1.33E-02	9.95E-03	0.00E+00	3.55E-03	4.27E-02	1.33E-02	1.33E-02	0.00E+00
239-Pu	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	4.65E-02	3.03E-03	3.03E-03	1.30E-02
240-Pu	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	4.65E-02	3.03E-03	3.03E-03	1.30E-02
241-Am	9.93E-03	9.93E-03	9.95E-03	0.00E+00	3.55E-03	3.14E-02	9.93E-03	9.93E-03	3.48E-02
241-Pu	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	4.65E-02	3.03E-03	3.03E-03	1.30E-02
242-Cm	5.78E-02	5.78E-02	6.01E-02	2.35E-01	6.34E-02	2.59E-01	3.94E-02	5.78E-02	0.00E+00
242-Pu	3.03E-03	3.03E-03	3.03E-03	3.03E-03	3.03E-03	4.65E-02	3.03E-03	3.03E-03	1.30E-02
243-Am	9.93E-03	9.93E-03	9.95E-03	0.00E+00	3.55E-03	3.14E-02	9.93E-03	9.93E-03	3.48E-02
243-Cm	5.78E-02	5.78E-02	6.01E-02	2.35E-01	6.34E-02	2.59E-01	3.94E-02	5.78E-02	0.00E+00
244-Cm	5.78E-02	5.78E-02	6.01E-02	2.35E-01	6.34E-02	2.59E-01	3.94E-02	5.78E-02	0.00E+00
3-H	1.00E+00								
59-Ni	1.09E-02	1.09E-02	3.33E-02	1.09E-02	8.57E-03	2.00E-02	0.00E+00	1.09E-02	0.00E+00
60-Co	1.18E-02	1.18E-02	3.33E-02	1.18E-02	8.57E-03	1.67E-01	0.00E+00	1.18E-02	0.00E+00
63-Ni	1.09E-02	1.09E-02	3.33E-02	1.09E-02	8.57E-03	2.00E-02	0.00E+00	1.09E-02	0.00E+00
79-Se	9.43E-01	9.43E-01	9.43E-01	9.43E-01	8.48E-01	9.38E-01	9.27E-01	9.77E-01	9.98E-01
90-Sr	2.43E-02	2.43E-02	0.00E+00	5.02E-01	4.80E-03	5.19E-03	2.43E-02	2.43E-02	5.03E-04
90-Y	2.43E-02	2.43E-02	0.00E+00	5.02E-01	4.80E-03	5.19E-03	2.43E-02	2.43E-02	5.03E-04
93m-Nb	1.12E-01	1.12E-01	1.00E-02	1.12E-01	1.63E-01	1.98E-02	1.12E-01	1.12E-01	0.00E+00
93-Zr	8.52E-03	8.52E-03	0.00E+00	8.52E-03	1.08E-03	1.67E-01	8.52E-03	8.52E-03	2.12E-03
99-Tc	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.21E-01	1.00E+00	1.00E+00	9.34E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 6 of 20)

Radionuclide	B-111	B-112	B-201	B-202	B-203	B-204	BX-101	BX-102	BX-103
106-Ru	4.88E-03	7.76E-04	3.98E-04	2.45E-03	2.49E-03	2.76E-04	3.51E-02	3.51E-02	0.00E+00
113m-Cd	0.00E+00	1.88E-01	1.00E-02	5.88E-02	4.66E-02	4.66E-02	3.37E-02	3.37E-02	3.75E-02
125-Sb	2.79E-03	1.43E-01	1.00E-04	3.64E-04	6.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126-Sn	0.00E+00	2.65E-02	3.65E-03	1.57E-02	0.00E+00	1.90E-02	4.47E-03	4.47E-03	4.47E-03
129-I	1.00E+00	1.00E+00	7.15E-01						
134-Cs	5.20E-01	5.74E-01	8.87E-02	5.24E-01	5.56E-01	4.17E-01	2.30E-01	2.30E-01	9.80E-01
137m-Ba	5.20E-01	5.74E-01	8.87E-02	5.24E-01	5.56E-01	4.17E-01	2.30E-01	2.30E-01	9.80E-01
137-Cs	5.20E-01	5.74E-01	8.87E-02	5.24E-01	5.56E-01	4.17E-01	2.30E-01	2.30E-01	9.80E-01
14-C	9.79E-01	9.79E-01	6.51E-01	6.51E-01	6.51E-01	6.51E-01	9.84E-01	9.84E-01	9.84E-01
151-Sm	0.00E+00	6.04E-05	1.53E-03	2.41E-03	2.60E-03	2.60E-03	2.98E-05	2.98E-05	2.98E-05
152-Eu	0.00E+00	3.78E-05	1.53E-03	2.41E-03	2.28E-03	2.28E-03	5.53E-03	5.53E-03	5.53E-03
154-Eu	0.00E+00	3.78E-05	1.53E-03	2.41E-03	2.28E-03	2.28E-03	5.53E-03	5.53E-03	5.53E-03
155-Eu	0.00E+00	3.78E-05	1.53E-03	2.41E-03	2.28E-03	2.28E-03	5.53E-03	5.53E-03	5.53E-03
226-Ra	1.14E-02	1.29E-02	4.15E-03	1.87E-02	2.03E-02	2.59E-02	8.15E-03	8.15E-03	7.69E-03
227-Ac	0.00E+00	2.25E-04	1.53E-03	2.41E-03	2.60E-03	2.60E-03	1.31E-04	1.31E-04	1.31E-04
228-Ra	1.14E-02	1.29E-02	4.15E-03	1.87E-02	2.03E-02	2.59E-02	8.15E-03	8.15E-03	7.69E-03
229-Th	8.65E-01	2.97E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	7.40E-02	7.40E-02	7.98E-02
231-Pa	0.00E+00	1.34E-02	1.48E-02	1.04E-01	0.00E+00	1.95E-01	0.00E+00	0.00E+00	0.00E+00
232-Th	8.65E-01	2.97E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	7.40E-02	7.40E-02	7.98E-02
232-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
233-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
234-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
235-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
236-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
237-Np	8.65E-01	1.04E-01	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.43E-02	3.43E-02	7.98E-02
238-Pu	4.65E-02	4.65E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	1.52E-02	1.52E-02	1.52E-02
238-U	8.65E-01	4.27E-02	1.44E-01	0.00E+00	1.66E-02	4.75E-03	3.95E-02	3.95E-02	7.98E-02
239-Pu	4.65E-02	4.65E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	1.52E-02	1.52E-02	1.52E-02
240-Pu	4.65E-02	4.65E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	1.52E-02	1.52E-02	1.52E-02
241-Am	8.65E-01	3.14E-02	0.00E+00	0.00E+00	1.66E-02	4.75E-03	5.43E-02	5.43E-02	7.98E-02
241-Pu	4.65E-02	4.65E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	1.52E-02	1.52E-02	1.52E-02
242-Cm	0.00E+00	2.59E-01	1.30E-02	1.95E-02	5.46E-02	9.09E-02	2.37E-02	2.37E-02	9.99E-03
242-Pu	4.65E-02	4.65E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	1.52E-02	1.52E-02	1.52E-02
243-Am	8.65E-01	3.14E-02	0.00E+00	0.00E+00	1.66E-02	4.75E-03	5.43E-02	5.43E-02	7.98E-02
243-Cm	0.00E+00	2.59E-01	1.30E-02	1.95E-02	5.46E-02	9.09E-02	2.37E-02	2.37E-02	9.99E-03
244-Cm	0.00E+00	2.59E-01	1.30E-02	1.95E-02	5.46E-02	9.09E-02	2.37E-02	2.37E-02	9.99E-03
3-H	1.00E+00								
59-Ni	0.00E+00	2.00E-02	4.07E-03	8.29E-03	0.00E+00	0.00E+00	4.18E-02	4.18E-02	0.00E+00
60-Co	0.00E+00	1.67E-01	4.07E-03	8.29E-03	0.00E+00	0.00E+00	4.51E-04	4.51E-04	0.00E+00
63-Ni	0.00E+00	2.00E-02	4.07E-03	8.29E-03	0.00E+00	0.00E+00	4.18E-02	4.18E-02	0.00E+00
79-Se	9.98E-01	9.98E-01	9.54E-01	9.14E-01	9.98E-01	1.00E+00	9.41E-01	9.41E-01	9.41E-01
90-Sr	1.93E-03	5.19E-03	6.67E-04	1.97E-03	5.01E-02	9.99E-04	4.49E-03	4.49E-03	0.00E+00
90-Y	1.93E-03	5.19E-03	6.67E-04	1.97E-03	5.01E-02	9.99E-04	4.49E-03	4.49E-03	0.00E+00
93m-Nb	0.00E+00	1.98E-02	1.48E-02	1.04E-01	0.00E+00	1.19E-01	0.00E+00	0.00E+00	0.00E+00
93-Zr	2.79E-03	1.67E-01	1.00E-04	3.64E-04	6.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99-Tc	9.21E-01	9.21E-01	7.42E-01						

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 7 of 20)

Radionuclide	BX-104	BX-105	BX-106	BX-107	BX-108	BX-109	BX-110	BX-111	BX-112
106-Ru	1.66E-04	3.53E-04	3.51E-02	1.06E-02	7.76E-04	1.26E-01	0.00E+00	7.94E-05	9.75E-04
113m-Cd	1.05E-01	0.00E+00	3.37E-02	1.98E-01	1.88E-01	5.99E-01	5.99E-01	7.07E-03	1.88E-01
125-Sb	8.16E-03	0.00E+00	0.00E+00	1.03E-02	1.43E-01	0.00E+00	0.00E+00	8.39E-02	1.30E-03
126-Sn	1.82E-02	8.81E-02	4.47E-03	1.02E-01	2.65E-02	1.47E-02	1.47E-02	1.59E-02	0.00E+00
129-I	1.00E+00	1.00E+00	7.15E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	7.15E-01	1.00E+00
134-Cs	6.63E-01	8.42E-01	2.30E-01	1.70E-01	5.74E-01	0.00E+00	2.44E-01	5.04E-01	1.05E-01
137m-Ba	6.63E-01	8.42E-01	2.30E-01	1.70E-01	5.74E-01	0.00E+00	2.44E-01	5.04E-01	1.05E-01
137-Cs	6.63E-01	8.42E-01	2.30E-01	1.70E-01	5.74E-01	0.00E+00	2.44E-01	5.04E-01	1.05E-01
14-C	9.97E-01	9.79E-01	9.84E-01	9.79E-01	9.79E-01	9.48E-01	9.48E-01	6.00E-01	9.79E-01
151-Sm	0.00E+00	6.04E-05	2.98E-05	6.04E-05	6.04E-05	2.62E-13	2.62E-13	2.98E-05	6.04E-05
152-Eu	2.48E-02	3.78E-05	5.53E-03	3.78E-05	3.78E-05	2.62E-13	2.62E-13	3.03E-02	3.78E-05
154-Eu	2.48E-02	3.78E-05	5.53E-03	3.78E-05	3.78E-05	2.62E-13	2.62E-13	3.03E-02	3.78E-05
155-Eu	2.48E-02	3.78E-05	5.53E-03	3.78E-05	3.78E-05	2.62E-13	2.62E-13	3.03E-02	3.78E-05
226-Ra	8.12E-03	1.49E-02	8.15E-03	5.03E-01	1.29E-02	2.20E-02	3.75E-01	9.25E-02	1.29E-02
227-Ac	0.00E+00	2.25E-04	1.31E-04	2.25E-04	2.25E-04	2.62E-13	2.62E-13	1.31E-04	2.25E-04
228-Ra	8.12E-03	1.49E-02	8.15E-03	5.03E-01	1.29E-02	2.20E-02	3.75E-01	9.25E-02	1.29E-02
229-Th	1.37E-04	5.88E-04	7.40E-02	1.60E-01	2.97E-02	3.02E-02	1.07E-01	4.95E-02	2.83E-04
231-Pa	3.88E-03	1.77E-02	0.00E+00	1.77E-02	1.34E-02	0.00E+00	7.93E-02	1.77E-02	0.00E+00
232-Th	1.37E-04	5.88E-04	7.40E-02	1.60E-01	2.97E-02	3.02E-02	1.07E-01	4.95E-02	2.83E-04
232-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
233-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
234-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
235-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
236-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
237-Np	1.37E-04	5.88E-04	3.43E-02	1.60E-01	1.04E-01	3.02E-02	1.07E-01	4.95E-02	2.83E-04
238-Pu	4.10E-03	3.92E-02	1.52E-02	4.65E-02	4.65E-02	3.42E-02	3.42E-02	0.00E+00	4.65E-02
238-U	1.37E-04	5.88E-04	3.95E-02	1.60E-01	4.27E-02	3.02E-02	1.07E-01	5.38E-02	2.83E-04
239-Pu	4.10E-03	3.92E-02	1.52E-02	4.65E-02	4.65E-02	3.42E-02	3.42E-02	0.00E+00	4.65E-02
240-Pu	4.10E-03	3.92E-02	1.52E-02	4.65E-02	4.65E-02	3.42E-02	3.42E-02	0.00E+00	4.65E-02
241-Am	6.33E-03	1.21E-02	5.43E-02	1.60E-01	3.14E-02	3.02E-02	1.07E-01	4.95E-02	2.83E-04
241-Pu	4.10E-03	3.92E-02	1.52E-02	4.65E-02	4.65E-02	3.42E-02	3.42E-02	0.00E+00	4.65E-02
242-Cm	2.52E-02	4.22E-02	2.37E-02	9.57E-03	2.59E-01	1.45E-01	2.85E-01	2.45E-03	2.72E-02
242-Pu	4.10E-03	3.92E-02	1.52E-02	4.65E-02	4.65E-02	3.42E-02	3.42E-02	0.00E+00	4.65E-02
243-Am	6.33E-03	1.21E-02	5.43E-02	1.60E-01	3.14E-02	3.02E-02	1.07E-01	4.95E-02	2.83E-04
243-Cm	2.52E-02	4.22E-02	2.37E-02	9.57E-03	2.59E-01	1.45E-01	2.85E-01	2.45E-03	2.72E-02
244-Cm	2.52E-02	4.22E-02	2.37E-02	9.57E-03	2.59E-01	1.45E-01	2.85E-01	2.45E-03	2.72E-02
3-H	1.00E+00								
59-Ni	1.08E-01	1.94E-01	4.18E-02	1.22E-01	2.00E-02	8.79E-03	2.03E-01	2.35E-02	0.00E+00
60-Co	1.08E-01	3.56E-01	4.51E-04	1.22E-01	1.67E-01	8.79E-03	1.14E-01	6.92E-04	0.00E+00
63-Ni	1.08E-01	1.94E-01	4.18E-02	1.22E-01	2.00E-02	8.79E-03	2.03E-01	2.35E-02	0.00E+00
79-Se	9.82E-01	9.98E-01	9.41E-01	9.30E-01	9.98E-01	9.24E-01	8.76E-01	6.66E-01	0.00E+00
90-Sr	9.79E-04	1.92E-02	4.49E-03	7.38E-03	5.19E-03	2.86E-02	7.18E-05	1.11E-02	1.56E-04
90-Y	9.79E-04	1.92E-02	4.49E-03	7.38E-03	5.19E-03	2.86E-02	7.18E-05	1.11E-02	1.56E-04
93m-Nb	3.88E-03	1.77E-02	0.00E+00	1.77E-02	1.98E-02	0.00E+00	1.66E-01	1.35E-02	0.00E+00
93-Zr	8.16E-03	0.00E+00	0.00E+00	1.03E-02	1.67E-01	0.00E+00	0.00E+00	8.40E-02	1.30E-03
99-Tc	6.99E-01	5.72E-01	7.42E-01	9.21E-01	9.21E-01	3.57E-01	3.57E-01	1.52E-01	9.21E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 8 of 20)

Radionuclide	BY-101	BY-102	BY-103	BY-104	BY-105	BY-106	BY-107	BY-108	BY-109
106-Ru	7.94E-05	1.61E-04	7.94E-05	0.00E+00	7.94E-05	4.19E-01	1.01E-01	0.00E+00	7.94E-05
113m-Cd	7.07E-03	1.17E-01	7.07E-03	0.00E+00	7.07E-03	6.05E-01	5.99E-01	5.99E-01	7.07E-03
125-Sb	8.39E-02	1.86E-01	8.39E-02	0.00E+00	8.39E-02	1.05E-01	1.05E-01	1.05E-01	8.39E-02
126-Sn	1.59E-02	6.14E-02	1.59E-02	1.59E-02	1.59E-02	1.47E-02	1.47E-02	1.47E-02	1.59E-02
129-I	7.15E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01	1.00E+00	1.00E+00	1.00E+00	7.15E-01
134-Cs	5.04E-01	6.98E-01	5.04E-01	5.04E-01	5.04E-01	9.48E-01	7.13E-01	3.00E-02	5.04E-01
137m-Ba	5.04E-01	6.98E-01	5.04E-01	5.04E-01	5.04E-01	9.48E-01	7.13E-01	3.00E-02	5.04E-01
137-Cs	5.04E-01	6.98E-01	5.04E-01	5.04E-01	5.04E-01	9.48E-01	7.13E-01	3.00E-02	5.04E-01
14-C	6.00E-01	9.84E-01	6.00E-01	6.00E-01	6.00E-01	9.48E-01	9.48E-01	9.48E-01	6.00E-01
151-Sm	2.98E-05	2.98E-05	2.98E-05	2.98E-05	2.98E-05	2.62E-13	2.62E-13	2.62E-13	2.98E-05
152-Eu	3.03E-02	3.03E-02	3.03E-02	3.03E-02	3.03E-02	2.62E-13	2.62E-13	2.62E-13	3.03E-02
154-Eu	3.03E-02	3.03E-02	3.03E-02	3.03E-02	3.03E-02	2.62E-13	2.62E-13	2.62E-13	3.03E-02
155-Eu	3.03E-02	3.03E-02	3.03E-02	3.03E-02	3.03E-02	2.62E-13	2.62E-13	2.62E-13	3.03E-02
226-Ra	9.25E-02	7.10E-02	9.25E-02	0.00E+00	9.25E-02	4.17E-01	3.75E-01	0.00E+00	9.25E-02
227-Ac	1.31E-04	1.31E-04	1.31E-04	1.31E-04	1.31E-04	2.62E-13	2.62E-13	2.62E-13	1.31E-04
228-Ra	9.25E-02	7.10E-02	9.25E-02	0.00E+00	9.25E-02	4.17E-01	3.75E-01	0.00E+00	9.25E-02
229-Th	4.95E-02	1.41E-02	4.95E-02	0.00E+00	4.95E-02	7.38E-02	7.38E-02	0.00E+00	4.95E-02
231-Pa	1.77E-02	3.92E-04	1.77E-02	0.00E+00	1.77E-02	0.00E+00	7.93E-02	7.93E-02	1.77E-02
232-Th	4.95E-02	1.41E-02	4.95E-02	0.00E+00	4.95E-02	7.38E-02	7.38E-02	0.00E+00	4.95E-02
232-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
233-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
234-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
235-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
236-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
237-Np	4.95E-02	6.62E-02	4.95E-02	0.00E+00	4.95E-02	1.79E-01	1.79E-01	0.00E+00	4.95E-02
238-Pu	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02	3.42E-02	3.42E-02	0.00E+00
238-U	5.38E-02	2.22E-02	5.38E-02	0.00E+00	5.38E-02	2.14E-02	2.14E-02	0.00E+00	5.38E-02
239-Pu	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02	3.42E-02	3.42E-02	0.00E+00
240-Pu	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02	3.42E-02	3.42E-02	0.00E+00
241-Am	4.95E-02	3.26E-02	4.95E-02	0.00E+00	4.95E-02	1.12E-02	1.12E-02	0.00E+00	4.95E-02
241-Pu	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02	3.42E-02	3.42E-02	0.00E+00
242-Cm	2.45E-03	9.22E-02	2.45E-03	7.97E-01	2.45E-03	1.00E+00	9.13E-01	6.29E-01	2.45E-03
242-Pu	0.00E+00	1.52E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02	3.42E-02	3.42E-02	0.00E+00
243-Am	4.95E-02	3.26E-02	4.95E-02	0.00E+00	4.95E-02	1.12E-02	1.12E-02	0.00E+00	4.95E-02
243-Cm	2.45E-03	9.22E-02	2.45E-03	7.97E-01	2.45E-03	1.00E+00	9.13E-01	6.29E-01	2.45E-03
244-Cm	2.45E-03	9.22E-02	2.45E-03	7.97E-01	2.45E-03	1.00E+00	9.13E-01	6.29E-01	2.45E-03
3-H	1.00E+00								
59-Ni	2.35E-02	7.06E-02	2.35E-02	0.00E+00	2.35E-02	5.26E-01	0.00E+00	1.80E-01	2.35E-02
60-Co	6.92E-04	5.77E-02	6.92E-04	0.00E+00	6.92E-04	5.26E-01	0.00E+00	1.80E-01	6.92E-04
63-Ni	2.35E-02	7.06E-02	2.35E-02	0.00E+00	2.35E-02	5.26E-01	0.00E+00	1.80E-01	2.35E-02
79-Se	9.10E-01	9.73E-01	9.10E-01	9.62E-01	9.43E-01	9.86E-01	9.28E-01	9.93E-01	9.48E-01
90-Sr	1.11E-02	1.61E-01	1.11E-02	0.00E+00	1.11E-02	4.65E-01	1.87E-02	0.00E+00	1.11E-02
90-Y	1.11E-02	1.61E-01	1.11E-02	0.00E+00	1.11E-02	4.65E-01	1.87E-02	0.00E+00	1.11E-02
93m-Nb	1.35E-02	5.17E-02	1.35E-02	0.00E+00	1.35E-02	0.00E+00	1.66E-01	1.66E-01	1.35E-02
93-Zr	8.40E-02	1.28E-01	8.40E-02	0.00E+00	8.40E-02	1.05E-01	1.05E-01	1.05E-01	8.40E-02
99-Tc	1.52E-01	7.42E-01	1.52E-01	1.52E-01	1.52E-01	3.57E-01	3.57E-01	3.57E-01	1.52E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 9 of 20)

Radionuclide	BY-110	BY-111	BY-112	C-101	C-102	C-103	C-104	C-105	C-106
106-Ru	7.90E-02	1.01E-01	1.61E-04	3.40E-04	3.40E-04	8.08E-05	2.29E-04	4.87E-04	2.13E-05
113m-Cd	1.61E-01	5.99E-01	1.17E-01	2.21E-02	2.21E-02	1.25E-02	3.36E-02	3.57E-01	3.24E-02
125-Sb	1.55E-01	1.05E-01	1.86E-01	1.47E-03	0.00E+00	0.00E+00	0.00E+00	1.13E-01	3.00E-02
126-Sn	1.80E-01	1.47E-02	6.14E-02	7.72E-02	7.72E-02	7.27E-03	1.81E-01	2.36E-01	1.87E-02
129-I	7.15E-01	1.00E+00	7.15E-01	4.23E-01	4.23E-01	1.00E+00	4.23E-01	1.00E+00	7.15E-01
134-Cs	9.80E-01	7.13E-01	6.98E-01	7.50E-01	7.50E-01	2.00E-01	5.60E-01	8.15E-02	1.88E-01
137m-Ba	9.80E-01	7.13E-01	6.98E-01	7.50E-01	7.50E-01	2.00E-01	5.60E-01	8.15E-02	1.88E-01
137-Cs	9.80E-01	7.13E-01	6.98E-01	7.50E-01	7.50E-01	2.00E-01	5.60E-01	8.15E-02	1.88E-01
14-C	6.00E-01	9.48E-01	9.84E-01	9.64E-01	9.64E-01	9.81E-01	9.64E-01	9.67E-01	9.84E-01
151-Sm	2.98E-05	2.62E-13	2.98E-05	1.58E-09	1.58E-09	0.00E+00	1.58E-09	0.00E+00	2.98E-05
152-Eu	3.03E-02	2.62E-13	3.03E-02	8.16E-10	8.16E-10	0.00E+00	8.16E-10	0.00E+00	3.03E-02
154-Eu	3.03E-02	2.62E-13	3.03E-02	8.16E-10	8.16E-10	0.00E+00	8.16E-10	0.00E+00	3.03E-02
155-Eu	3.03E-02	2.62E-13	3.03E-02	8.16E-10	8.16E-10	0.00E+00	8.16E-10	0.00E+00	3.03E-02
226-Ra	1.94E-01	3.75E-01	7.10E-02	1.27E-02	1.27E-02	1.00E-02	0.00E+00	9.19E-03	3.82E-03
227-Ac	1.31E-04	2.62E-13	1.31E-04	2.45E-09	2.45E-09	0.00E+00	2.45E-09	0.00E+00	1.31E-04
228-Ra	1.94E-01	3.75E-01	7.10E-02	1.27E-02	1.27E-02	1.00E-02	0.00E+00	9.19E-03	3.82E-03
229-Th	9.14E-02	7.38E-02	1.41E-02	2.68E-03	2.68E-03	4.08E-01	1.21E-03	5.37E-02	2.23E-02
231-Pa	0.00E+00	7.93E-02	3.92E-04	1.88E-04	1.88E-04	3.00E-03	1.56E-04	1.53E-02	5.22E-02
232-Th	9.14E-02	7.38E-02	1.41E-02	2.68E-03	2.68E-03	4.08E-01	1.21E-03	5.37E-02	2.23E-02
232-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
233-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
234-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
235-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
236-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
237-Np	9.14E-02	1.79E-01	6.62E-02	2.68E-02	2.68E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
238-Pu	0.00E+00	3.42E-02	1.52E-02	5.65E-04	5.65E-04	3.28E-04	4.11E-04	9.33E-04	4.77E-02
238-U	9.14E-02	2.14E-02	2.22E-02	1.04E-02	1.04E-02	4.08E-01	1.21E-03	5.37E-02	2.23E-02
239-Pu	0.00E+00	3.42E-02	1.52E-02	5.65E-04	5.65E-04	3.28E-04	4.11E-04	9.33E-04	4.77E-02
240-Pu	0.00E+00	3.42E-02	1.52E-02	5.65E-04	5.65E-04	3.28E-04	4.11E-04	9.33E-04	4.77E-02
241-Am	9.14E-02	1.12E-02	3.26E-02	3.76E-02	3.76E-02	5.92E-03	1.92E-03	7.48E-01	1.42E-02
241-Pu	0.00E+00	3.42E-02	1.52E-02	5.65E-04	5.65E-04	3.28E-04	4.11E-04	9.33E-04	4.77E-02
242-Cm	8.39E-01	2.85E-01	9.22E-02	1.82E-02	1.82E-02	5.69E-04	1.67E-02	1.65E-03	5.25E-04
242-Pu	0.00E+00	3.42E-02	1.52E-02	5.65E-04	5.65E-04	3.28E-04	4.11E-04	9.33E-04	4.77E-02
243-Am	9.14E-02	1.12E-02	3.26E-02	3.76E-02	3.76E-02	5.92E-03	1.92E-03	7.48E-01	1.42E-02
243-Cm	8.39E-01	2.85E-01	9.22E-02	1.82E-02	1.82E-02	5.69E-04	1.67E-02	1.65E-03	5.25E-04
244-Cm	8.39E-01	2.85E-01	9.22E-02	1.82E-02	1.82E-02	5.69E-04	1.67E-02	1.65E-03	5.25E-04
3-H	1.00E+00								
59-Ni	7.89E-02	2.03E-01	7.06E-02	1.62E-02	1.62E-02	1.58E-02	4.06E-02	2.80E-03	3.31E-02
60-Co	7.89E-02	1.14E-01	5.77E-02	2.14E-02	2.14E-02	1.58E-02	4.06E-02	3.55E-02	3.15E-02
63-Ni	7.89E-02	2.03E-01	7.06E-02	1.62E-02	1.62E-02	1.58E-02	4.06E-02	2.80E-03	3.31E-02
79-Se	9.68E-01	9.36E-01	8.34E-01	9.86E-01	9.86E-01	1.00E+00	1.00E+00	1.00E+00	8.42E-01
90-Sr	6.15E-02	4.04E-01	1.61E-01	3.06E-02	3.06E-02	1.91E-04	3.28E-01	2.25E-03	1.03E-04
90-Y	6.15E-02	4.04E-01	1.61E-01	3.06E-02	3.06E-02	1.91E-04	3.28E-01	2.25E-03	1.03E-04
93m-Nb	0.00E+00	1.66E-01	5.17E-02	4.07E-02	4.07E-02	3.00E-03	1.56E-04	1.53E-02	5.22E-02
93-Zr	1.55E-01	1.05E-01	1.28E-01	1.45E-03	1.45E-03	0.00E+00	0.00E+00	1.13E-01	3.00E-02
99-Tc	1.52E-01	3.57E-01	7.42E-01	9.14E-01	9.14E-01	1.00E+00	9.14E-01	6.48E-01	1.61E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 10 of 20)

Radionuclide	C-107	C-108	C-109	C-110	C-111	C-112	C-201	C-202	C-203
106-Ru	0.00E+00	8.67E-02	6.72E-02	5.18E-02	6.83E-11	5.31E-02	9.67E-04	3.16E-11	1.35E-12
113m-Cd	0.00E+00	2.70E-04	0.00E+00	1.55E-01	1.04E-01	7.08E-02	1.17E-01	1.17E-01	1.17E-01
125-Sb	0.00E+00	9.00E-04	0.00E+00	6.29E-03	3.46E-03	0.00E+00	1.86E-01	1.86E-01	1.86E-01
126-Sn	3.50E-02	3.50E-02	6.00E-03	6.82E-02	4.54E-05	2.37E-03	0.00E+00	7.14E-10	2.13E-05
129-I	1.00E+00	1.00E+00	7.15E-01	1.00E+00	1.00E+00	7.15E-01	1.00E+00	1.00E+00	1.00E+00
134-Cs	3.70E-01	4.00E-02	9.67E-03	5.74E-01	1.00E+00	1.76E-01	5.69E-01	1.00E+00	1.00E+00
137m-Ba	3.70E-01	4.00E-02	9.67E-03	5.74E-01	1.00E+00	1.76E-01	5.69E-01	1.00E+00	1.00E+00
137-Cs	3.70E-01	4.00E-02	9.67E-03	5.74E-01	1.00E+00	1.76E-01	5.69E-01	1.00E+00	1.00E+00
14-C	4.83E-01	1.00E+00	9.84E-01	9.79E-01	1.00E+00	9.84E-01	1.00E+00	1.00E+00	1.00E+00
151-Sm	2.98E-05	2.98E-05	2.98E-05	2.48E-01	0.00E+00	2.98E-05	2.98E-05	2.98E-05	2.98E-05
152-Eu	1.00E+00	1.00E+00	0.00E+00	2.48E-01	0.00E+00	8.08E-03	3.03E-02	3.03E-02	3.03E-02
154-Eu	1.00E+00	1.00E+00	0.00E+00	2.48E-01	0.00E+00	8.08E-03	3.03E-02	3.03E-02	3.03E-02
155-Eu	1.00E+00	1.00E+00	0.00E+00	2.48E-01	0.00E+00	8.08E-03	3.03E-02	3.03E-02	3.03E-02
226-Ra	0.00E+00	2.15E-03	5.80E-03	2.61E-01	8.88E-04	1.81E-02	6.94E-03	6.72E-03	9.48E-03
227-Ac	1.31E-04	1.31E-04	1.31E-04	2.48E-01	0.00E+00	1.31E-04	1.31E-04	1.31E-04	1.31E-04
228-Ra	0.00E+00	2.15E-03	5.80E-03	2.61E-01	8.88E-04	1.81E-02	6.94E-03	6.72E-03	9.48E-03
229-Th	2.39E-01	1.00E-01	7.40E-03	2.97E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
231-Pa	0.00E+00	1.21E-05	0.00E+00	7.25E-02	5.73E-02	0.00E+00	3.92E-04	3.92E-04	3.92E-04
232-Th	2.39E-01	1.00E-01	7.40E-03	2.97E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
232-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
233-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
234-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
235-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
236-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
237-Np	2.39E-01	1.00E-01	7.40E-03	1.04E-01	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
238-Pu	8.46E-03	2.49E-02	1.52E-02	4.65E-02	1.29E-04	1.52E-02	3.90E-03	1.33E-04	2.61E-04
238-U	2.39E-01	1.00E-01	7.40E-03	4.27E-02	0.00E+00	4.03E-02	9.65E-02	3.21E-04	2.43E-04
239-Pu	8.46E-03	2.49E-02	1.52E-02	4.65E-02	1.29E-04	1.52E-02	3.90E-03	1.33E-04	2.61E-04
240-Pu	8.46E-03	2.49E-02	1.52E-02	4.65E-02	1.29E-04	1.52E-02	3.90E-03	1.33E-04	2.61E-04
241-Am	2.39E-01	1.00E-01	7.40E-03	3.14E-02	0.00E+00	9.87E-03	7.60E-04	3.21E-04	2.43E-04
241-Pu	8.46E-03	2.49E-02	1.52E-02	4.65E-02	1.29E-04	1.52E-02	3.90E-03	1.33E-04	2.61E-04
242-Cm	1.00E-02	2.70E-02	5.70E-03	8.21E-02	5.78E-03	5.18E-02	3.75E-01	1.00E+00	1.00E+00
242-Pu	8.46E-03	2.49E-02	1.52E-02	4.65E-02	1.29E-04	1.52E-02	3.90E-03	1.33E-04	2.61E-04
243-Am	2.39E-01	1.00E-01	7.40E-03	3.14E-02	0.00E+00	9.87E-03	7.60E-04	3.21E-04	2.43E-04
243-Cm	1.00E-02	2.70E-02	5.70E-03	8.21E-02	5.78E-03	5.18E-02	3.75E-01	1.00E+00	1.00E+00
244-Cm	1.00E-02	2.70E-02	5.70E-03	8.21E-02	5.78E-03	5.18E-02	3.75E-01	1.00E+00	1.00E+00
3-H	1.00E+00								
59-Ni	0.00E+00	4.75E-03	5.85E-03	7.17E-04	2.76E-07	5.96E-02	1.36E-04	8.71E-05	9.83E-05
60-Co	0.00E+00	4.75E-03	3.70E-02	7.17E-04	2.76E-07	2.06E-01	1.36E-04	8.71E-05	9.83E-05
63-Ni	0.00E+00	4.75E-03	5.85E-03	7.17E-04	2.76E-07	5.96E-02	1.36E-04	8.71E-05	9.83E-05
79-Se	9.89E-01	1.00E+00	9.41E-01	1.00E+00	1.00E+00	9.41E-01	1.00E+00	1.00E+00	1.00E+00
90-Sr	2.50E-03	0.00E+00	1.58E-03	4.20E-02	4.93E-02	5.53E-03	5.00E-01	5.00E-01	5.00E-01
90-Y	2.50E-03	0.00E+00	1.58E-03	4.20E-02	4.93E-02	5.53E-03	5.00E-01	5.00E-01	5.00E-01
93m-Nb	0.00E+00	6.64E-04	0.00E+00	7.25E-02	5.73E-02	0.00E+00	5.17E-02	5.17E-02	5.17E-02
93-Zr	0.00E+00	9.00E-04	0.00E+00	6.29E-03	3.46E-03	0.00E+00	1.28E-01	1.28E-01	1.28E-01
99-Tc	6.06E-01	1.00E+00	7.42E-01	9.21E-01	1.00E+00	7.42E-01	1.00E+00	1.00E+00	1.00E+00

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 11 of 20)

Radionuclide	C-204	S-101	S-102	S-103	S-104	S-105	S-106	S-107	S-108
106-Ru	2.19E-11	0.00E+00	6.40E-02	8.72E-06	1.93E-03	2.73E-05	5.79E-04	4.21E-03	5.79E-04
113m-Cd	1.17E-01	2.21E-02	5.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	1.86E-01	1.47E-03	1.05E-01	1.41E-01	0.00E+00	5.35E-01	1.86E-01	0.00E+00	1.86E-01
126-Sn	1.85E-09	7.72E-02	1.47E-02	3.28E-03	2.04E-04	2.41E-03	4.71E-03	7.72E-02	4.71E-03
129-I	1.00E+00	0.00E+00	1.00E+00	1.00E+00	4.23E-01	1.00E+00	1.00E+00	4.23E-01	1.00E+00
134-Cs	1.00E+00	9.70E-01	7.13E-01	1.00E+00	8.81E-01	7.86E-01	9.62E-01	7.70E-01	9.62E-01
137m-Ba	1.00E+00	9.70E-01	7.13E-01	1.00E+00	8.81E-01	7.86E-01	9.62E-01	7.70E-01	9.62E-01
137-Cs	1.00E+00	9.70E-01	7.13E-01	1.00E+00	8.81E-01	7.86E-01	9.62E-01	7.70E-01	9.62E-01
14-C	1.00E+00	9.64E-01	9.48E-01	9.99E-01	9.64E-01	1.00E+00	1.00E+00	9.64E-01	1.00E+00
151-Sm	2.98E-05	1.58E-09	2.62E-13	3.35E-05	1.58E-09	2.96E-09	6.00E-06	1.58E-09	6.00E-06
152-Eu	3.03E-02	8.16E-10	2.62E-13	3.35E-05	8.16E-10	2.96E-09	5.76E-06	8.16E-10	5.76E-06
154-Eu	3.03E-02	8.16E-10	2.62E-13	3.35E-05	8.16E-10	2.96E-09	5.76E-06	8.16E-10	5.76E-06
155-Eu	3.03E-02	8.16E-10	2.62E-13	3.35E-05	8.16E-10	2.96E-09	5.76E-06	8.16E-10	5.76E-06
226-Ra	6.78E-03	6.98E-02	3.25E-01	7.26E-02	5.04E-03	1.09E-01	4.86E-02	8.13E-02	4.86E-02
227-Ac	1.31E-04	2.45E-09	2.62E-13	3.35E-05	2.45E-09	2.96E-09	5.13E-06	2.45E-09	5.13E-06
228-Ra	6.78E-03	6.98E-02	3.25E-01	7.26E-02	5.04E-03	1.09E-01	4.86E-02	8.13E-02	4.86E-02
229-Th	4.37E-04	0.00E+00	7.38E-02	1.27E-09	1.09E-05	2.46E-11	2.03E-01	0.00E+00	2.03E-01
231-Pa	3.92E-04	1.88E-04	7.93E-02	5.27E-01	1.58E-03	3.64E-01	2.33E-01	3.09E-02	2.33E-01
232-Th	4.37E-04	0.00E+00	7.38E-02	1.27E-09	1.09E-05	2.46E-11	2.03E-01	0.00E+00	2.03E-01
232-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
233-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
234-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
235-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
236-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
237-Np	4.37E-04	0.00E+00	1.79E-01	1.27E-09	1.09E-05	2.46E-11	1.76E-01	0.00E+00	1.76E-01
238-Pu	8.44E-03	0.00E+00	3.42E-02	6.31E-03	5.65E-04	1.17E-02	1.53E-02	5.65E-04	1.53E-02
238-U	4.37E-04	0.00E+00	2.14E-02	1.27E-09	1.09E-05	2.46E-11	6.50E-02	0.00E+00	6.50E-02
239-Pu	8.44E-03	0.00E+00	3.42E-02	6.31E-03	5.65E-04	1.17E-02	1.53E-02	5.65E-04	1.53E-02
240-Pu	8.44E-03	0.00E+00	3.42E-02	6.31E-03	5.65E-04	1.17E-02	1.53E-02	5.65E-04	1.53E-02
241-Am	4.37E-04	0.00E+00	1.12E-02	1.27E-09	1.09E-05	2.46E-11	1.22E-02	0.00E+00	1.22E-02
241-Pu	8.44E-03	0.00E+00	3.42E-02	6.31E-03	5.65E-04	1.17E-02	1.53E-02	5.65E-04	1.53E-02
242-Cm	1.00E+00	1.30E-01	7.88E-01	1.20E-01	5.72E-02	9.77E-01	5.07E-01	9.68E-02	5.07E-01
242-Pu	8.44E-03	0.00E+00	3.42E-02	6.31E-03	5.65E-04	1.17E-02	1.53E-02	5.65E-04	1.53E-02
243-Am	4.37E-04	0.00E+00	1.12E-02	1.27E-09	1.09E-05	2.46E-11	1.22E-02	0.00E+00	1.22E-02
243-Cm	1.00E+00	1.30E-01	7.88E-01	1.20E-01	5.72E-02	9.77E-01	5.07E-01	9.68E-02	5.07E-01
244-Cm	1.00E+00	1.30E-01	7.88E-01	1.20E-01	5.72E-02	9.77E-01	5.07E-01	9.68E-02	5.07E-01
3-H	1.00E+00								
59-Ni	7.92E-05	9.52E-03	2.03E-01	4.86E-03	3.41E-04	3.63E-03	9.43E-03	1.34E-02	9.43E-03
60-Co	7.92E-05	0.00E+00	1.14E-01	4.86E-03	3.41E-04	3.63E-03	1.05E-03	1.34E-02	1.05E-03
63-Ni	7.92E-05	9.52E-03	2.03E-01	4.86E-03	3.41E-04	3.63E-03	9.43E-03	1.34E-02	9.43E-03
79-Se	1.00E+00	8.72E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.28E-01	9.91E-01	9.59E-01
90-Sr	5.00E-01	0.00E+00	4.04E-01	4.31E-01	7.75E-04	5.00E-01	2.32E-01	0.00E+00	2.32E-01
90-Y	5.00E-01	0.00E+00	4.04E-01	4.31E-01	7.75E-04	5.00E-01	2.32E-01	0.00E+00	2.32E-01
93m-Nb	5.17E-02	4.07E-02	1.66E-01	5.27E-01	1.58E-03	3.64E-01	1.68E-01	3.09E-02	1.68E-01
93-Zr	1.28E-01	1.45E-03	1.05E-01	1.41E-01	0.00E+00	5.35E-01	1.70E-01	0.00E+00	1.70E-01
99-Tc	1.00E+00	9.14E-01	3.57E-01	1.00E+00	9.14E-01	7.32E-01	9.26E-01	9.14E-01	9.26E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 12 of 20)

Radionuclide	S-109	S-110	S-111	S-112	SX-101	SX-102	SX-103	SX-104	SX-105
106-Ru	1.01E-01	5.79E-04	7.22E-02	5.79E-04	5.79E-04	5.79E-04	5.79E-04	5.79E-04	5.79E-04
113m-Cd	5.99E-01	0.00E+00	5.99E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125-Sb	1.05E-01	1.86E-01	1.05E-01	1.86E-01	1.86E-01	1.86E-01	1.86E-01	1.86E-01	1.86E-01
126-Sn	1.47E-02	4.71E-03	1.47E-02	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03	4.71E-03
129-I	1.00E+00								
134-Cs	9.99E-01	1.00E+00	4.80E-01	9.62E-01	9.38E-01	1.00E+00	1.00E+00	9.62E-01	9.62E-01
137m-Ba	9.99E-01	1.00E+00	4.80E-01	9.62E-01	9.38E-01	1.00E+00	1.00E+00	9.62E-01	9.62E-01
137-Cs	9.99E-01	1.00E+00	4.80E-01	9.62E-01	9.38E-01	1.00E+00	1.00E+00	9.62E-01	9.62E-01
14-C	9.48E-01	1.00E+00	9.48E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
151-Sm	2.62E-13	6.00E-06	2.62E-13	6.00E-06	6.00E-06	6.00E-06	6.00E-06	6.00E-06	6.00E-06
152-Eu	2.62E-13	5.76E-06	2.62E-13	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06
154-Eu	2.62E-13	5.76E-06	2.62E-13	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06
155-Eu	2.62E-13	5.76E-06	2.62E-13	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06	5.76E-06
226-Ra	3.75E-01	4.86E-02	3.75E-01	4.86E-02	4.86E-02	4.86E-02	4.86E-02	4.86E-02	4.86E-02
227-Ac	2.62E-13	5.13E-06	2.62E-13	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06	5.13E-06
228-Ra	3.75E-01	4.86E-02	3.75E-01	4.86E-02	4.86E-02	4.86E-02	4.86E-02	4.86E-02	4.86E-02
229-Th	7.38E-02	2.03E-01	2.70E-01	2.03E-01	4.60E-02	2.03E-01	2.03E-01	2.03E-01	2.03E-01
231-Pa	7.93E-02	2.33E-01	7.93E-02	2.33E-01	2.33E-01	2.33E-01	2.33E-01	2.33E-01	2.33E-01
232-Th	7.38E-02	2.03E-01	2.70E-01	2.03E-01	4.60E-02	2.03E-01	2.03E-01	2.03E-01	2.03E-01
232-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
233-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
234-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
235-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
236-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
237-Np	1.79E-01	1.76E-01	2.70E-01	1.76E-01	4.60E-02	1.76E-01	1.76E-01	1.76E-01	1.76E-01
238-Pu	3.42E-02	1.53E-02	5.57E-02	1.53E-02	6.56E-04	8.60E-03	1.53E-02	1.53E-02	1.53E-02
238-U	2.14E-02	6.50E-02	2.70E-01	6.50E-02	4.60E-02	6.50E-02	6.50E-02	6.50E-02	6.50E-02
239-Pu	3.42E-02	1.53E-02	5.57E-02	1.53E-02	6.56E-04	8.60E-03	1.53E-02	1.53E-02	1.53E-02
240-Pu	3.42E-02	1.53E-02	5.57E-02	1.53E-02	6.56E-04	8.60E-03	1.53E-02	1.53E-02	1.53E-02
241-Am	1.12E-02	1.22E-02	1.23E-02	1.22E-02	4.60E-02	1.19E-04	4.96E-04	1.22E-02	1.22E-02
241-Pu	3.42E-02	1.53E-02	5.57E-02	1.53E-02	6.56E-04	8.60E-03	1.53E-02	1.53E-02	1.53E-02
242-Cm	7.92E-01	5.07E-01	2.65E-01	5.07E-01	8.33E-01	8.85E-01	9.97E-01	5.07E-01	5.07E-01
242-Pu	3.42E-02	1.53E-02	5.57E-02	1.53E-02	6.56E-04	8.60E-03	1.53E-02	1.53E-02	1.53E-02
243-Am	1.12E-02	1.22E-02	1.23E-02	1.22E-02	4.60E-02	1.19E-04	4.96E-04	1.22E-02	1.22E-02
243-Cm	7.92E-01	5.07E-01	2.65E-01	5.07E-01	8.33E-01	8.85E-01	9.97E-01	5.07E-01	5.07E-01
244-Cm	7.92E-01	5.07E-01	2.65E-01	5.07E-01	8.33E-01	8.85E-01	9.97E-01	5.07E-01	5.07E-01
3-H	1.00E+00								
59-Ni	2.03E-01	9.43E-03	0.00E+00	9.43E-03	9.43E-03	9.43E-03	9.43E-03	9.43E-03	9.43E-03
60-Co	4.91E-03	1.05E-03	0.00E+00	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03	1.05E-03
63-Ni	2.03E-01	9.43E-03	0.00E+00	9.43E-03	9.43E-03	9.43E-03	9.43E-03	9.43E-03	9.43E-03
79-Se	9.93E-01	9.59E-01	9.47E-01	9.59E-01	9.59E-01	9.59E-01	9.34E-01	1.00E+00	9.59E-01
90-Sr	5.42E-03	2.32E-01	0.00E+00	2.32E-01	7.63E-03	3.74E-02	1.39E-01	2.32E-01	2.32E-01
90-Y	5.42E-03	2.32E-01	0.00E+00	2.32E-01	7.63E-03	3.74E-02	1.39E-01	2.32E-01	2.32E-01
93m-Nb	1.66E-01	1.68E-01	1.66E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
93-Zr	1.05E-01	1.70E-01	1.05E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01
99-Tc	5.28E-02	9.26E-01	3.57E-01	9.26E-01	9.26E-01	9.26E-01	9.96E-01	9.26E-01	9.26E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 13 of 20)

Radionuclide	SX-106	SX-107	SX-108	SX-109	SX-110	SX-111	SX-112	SX-113	SX-114
106-Ru	8.26E-03	3.40E-04	0.00E+00	3.40E-04	6.26E-06	1.58E-05	0.00E+00	9.84E-03	3.40E-04
113m-Cd	5.99E-01	2.21E-02	2.21E-02	2.21E-02	2.21E-02	2.21E-02	2.21E-02	1.17E-01	2.21E-02
125-Sb	1.05E-01	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.47E-03	1.67E-02	1.47E-03
126-Sn	1.47E-02	7.72E-02	7.72E-02	7.72E-02	1.01E-02	1.05E-02	1.08E-02	1.00E+00	7.72E-02
129-I	1.00E+00	4.23E-01	4.23E-01	4.23E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	4.23E-01
134-Cs	8.97E-01	7.50E-01	6.30E-01	7.50E-01	1.00E+00	1.00E+00	1.00E+00	3.01E-02	7.50E-01
137m-Ba	8.97E-01	7.50E-01	6.30E-01	7.50E-01	1.00E+00	1.00E+00	1.00E+00	3.01E-02	7.50E-01
137-Cs	8.97E-01	7.50E-01	6.30E-01	7.50E-01	1.00E+00	1.00E+00	1.00E+00	3.01E-02	7.50E-01
14-C	9.48E-01	9.64E-01	9.64E-01	9.64E-01	9.73E-01	9.33E-01	9.32E-01	6.33E-01	9.64E-01
151-Sm	2.62E-13	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	1.58E-09	2.98E-05	1.58E-09
152-Eu	2.62E-13	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	3.03E-02	8.16E-10
154-Eu	2.62E-13	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	3.03E-02	8.16E-10
155-Eu	2.62E-13	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	8.16E-10	3.03E-02	8.16E-10
226-Ra	3.75E-01	1.27E-02	1.73E-01	1.27E-02	1.86E-02	1.71E-02	1.72E-02	3.93E-02	1.27E-02
227-Ac	2.62E-13	2.45E-09	2.45E-09	2.45E-09	2.45E-09	2.45E-09	2.45E-09	1.31E-04	2.45E-09
228-Ra	3.75E-01	1.27E-02	1.73E-01	1.27E-02	1.86E-02	1.71E-02	1.72E-02	3.93E-02	1.27E-02
229-Th	7.38E-02	2.68E-03	0.00E+00	2.68E-03	2.16E-09	3.04E-10	5.55E-13	3.16E-02	2.68E-03
231-Pa	7.93E-02	1.88E-04	0.00E+00	1.88E-04	1.91E-01	2.00E-01	2.07E-01	1.11E-02	1.88E-04
232-Th	7.38E-02	2.68E-03	0.00E+00	2.68E-03	2.16E-09	3.04E-10	5.55E-13	3.16E-02	2.68E-03
232-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
233-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
234-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
235-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
236-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
237-Np	1.79E-01	2.68E-02	0.00E+00	2.68E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	2.68E-02
238-Pu	5.41E-02	5.65E-04	5.65E-04	5.65E-04	3.80E-04	3.84E-04	4.04E-04	7.25E-03	5.65E-04
238-U	2.14E-02	1.04E-02	0.00E+00	1.04E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	1.04E-02
239-Pu	5.41E-02	5.65E-04	5.65E-04	5.65E-04	3.80E-04	3.84E-04	4.04E-04	7.25E-03	5.65E-04
240-Pu	5.41E-02	5.65E-04	5.65E-04	5.65E-04	3.80E-04	3.84E-04	4.04E-04	7.25E-03	5.65E-04
241-Am	1.12E-02	3.76E-02	0.00E+00	3.76E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	3.76E-02
241-Pu	5.41E-02	5.65E-04	5.65E-04	5.65E-04	3.80E-04	3.84E-04	4.04E-04	7.25E-03	5.65E-04
242-Cm	4.00E-01	1.82E-02	1.27E-01	1.82E-02	1.62E-02	1.68E-02	1.74E-02	1.00E-02	1.82E-02
242-Pu	5.41E-02	5.65E-04	5.65E-04	5.65E-04	3.80E-04	3.84E-04	4.04E-04	7.25E-03	5.65E-04
243-Am	1.12E-02	3.76E-02	0.00E+00	3.76E-02	2.16E-09	3.04E-10	5.55E-13	3.16E-02	3.76E-02
243-Cm	4.00E-01	1.82E-02	1.27E-01	1.82E-02	1.62E-02	1.68E-02	1.74E-02	1.00E-02	1.82E-02
244-Cm	4.00E-01	1.82E-02	1.27E-01	1.82E-02	1.62E-02	1.68E-02	1.74E-02	1.00E-02	1.82E-02
3-H	1.00E+00								
59-Ni	2.03E-01	1.62E-02	4.93E-03	1.62E-02	3.41E-03	3.55E-03	3.67E-03	0.00E+00	1.62E-02
60-Co	1.14E-01	2.14E-02	4.93E-03	2.14E-02	3.41E-03	3.55E-03	3.67E-03	0.00E+00	2.14E-02
63-Ni	2.03E-01	1.62E-02	4.93E-03	1.62E-02	3.41E-03	3.55E-03	3.67E-03	0.00E+00	1.62E-02
79-Se	9.77E-01	9.86E-01	9.83E-01	9.86E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.86E-01
90-Sr	2.48E-01	3.06E-02	0.00E+00	3.06E-02	1.37E-02	3.17E-02	3.25E-02	2.62E-02	3.06E-02
90-Y	2.48E-01	3.06E-02	0.00E+00	3.06E-02	1.37E-02	3.17E-02	3.25E-02	2.62E-02	3.06E-02
93m-Nb	1.66E-01	4.07E-02	0.00E+00	4.07E-02	1.91E-01	2.00E-01	2.07E-01	1.11E-02	4.07E-02
93-Zr	1.05E-01	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.67E-02	1.45E-03
99-Tc	3.57E-01	9.14E-01	9.14E-01	9.14E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	9.14E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 14 of 20)

Radionuclide	SX-115	SY-101	SY-102	SY-103	T-101	T-102	T-103	T-104	T-105
106-Ru	2.57E-05	2.01E-05	0.00E+00	1.18E-03	2.10E-04	5.41E-03	2.10E-04	8.92E-03	4.00E-04
113m-Cd	2.21E-02	1.46E-01	1.17E-01	5.76E-02	1.04E-01	0.00E+00	1.04E-01	0.00E+00	1.49E-01
125-Sb	2.12E-01	1.85E-01	1.86E-01	1.85E-01	8.16E-03	8.16E-03	8.16E-03	8.83E-03	3.06E-03
126-Sn	1.18E-02	1.10E-01	0.00E+00	1.10E-01	2.02E-02	2.02E-02	2.02E-02	0.00E+00	8.38E-02
129-I	1.00E+00	6.86E-01	7.15E-01	6.86E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
134-Cs	1.00E+00	8.93E-01	0.00E+00	9.85E-01	6.63E-01	8.24E-01	6.63E-01	1.23E-01	9.46E-01
137m-Ba	1.00E+00	8.93E-01	0.00E+00	9.85E-01	6.63E-01	8.24E-01	6.63E-01	1.23E-01	9.46E-01
137-Cs	1.00E+00	8.93E-01	0.00E+00	9.85E-01	6.63E-01	8.24E-01	6.63E-01	1.23E-01	9.46E-01
14-C	9.33E-01	9.99E-01	9.84E-01	9.99E-01	9.97E-01	9.97E-01	9.97E-01	1.00E+00	4.83E-01
151-Sm	5.52E-08	2.44E-07	2.98E-05	2.44E-07	0.00E+00	0.00E+00	0.00E+00	2.98E-05	2.98E-05
152-Eu	5.52E-08	1.45E-07	3.03E-02	1.45E-07	2.48E-02	3.01E-02	2.48E-02	1.00E+00	1.00E+00
154-Eu	5.52E-08	1.45E-07	3.03E-02	1.45E-07	2.48E-02	3.01E-02	2.48E-02	1.00E+00	1.00E+00
155-Eu	5.52E-08	1.45E-07	3.03E-02	1.45E-07	2.48E-02	3.01E-02	2.48E-02	1.00E+00	1.00E+00
226-Ra	1.69E-02	1.65E-01	0.00E+00	6.50E-02	1.25E-02	1.97E-02	1.25E-02	2.76E-01	1.12E-01
227-Ac	5.52E-08	2.21E-07	1.31E-04	2.21E-07	0.00E+00	0.00E+00	0.00E+00	1.31E-04	1.31E-04
228-Ra	1.69E-02	1.65E-01	0.00E+00	6.50E-02	1.25E-02	1.97E-02	1.25E-02	2.76E-01	1.12E-01
229-Th	2.73E-12	5.04E-03	1.41E-02	2.24E-02	8.14E-05	0.00E+00	8.14E-05	8.08E-03	2.39E-01
231-Pa	2.27E-01	2.76E-01	3.92E-04	2.76E-01	4.47E-04	0.00E+00	4.47E-04	3.69E-02	0.00E+00
232-Th	2.73E-12	5.04E-03	1.41E-02	2.24E-02	8.14E-05	0.00E+00	8.14E-05	8.08E-03	2.39E-01
232-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
233-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
234-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
235-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
236-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
237-Np	2.73E-12	7.81E-03	6.62E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	1.66E-01
238-Pu	2.41E-02	4.05E-02	1.52E-02	1.66E-02	3.18E-03	3.18E-03	3.18E-03	2.73E-05	8.46E-03
238-U	2.73E-12	8.55E-03	2.22E-02	2.24E-02	1.41E-04	0.00E+00	1.41E-04	8.08E-03	7.31E-02
239-Pu	2.41E-02	4.05E-02	1.52E-02	1.66E-02	3.18E-03	3.18E-03	3.18E-03	2.73E-05	8.46E-03
240-Pu	2.41E-02	4.05E-02	1.52E-02	1.66E-02	3.18E-03	3.18E-03	3.18E-03	2.73E-05	8.46E-03
241-Am	2.73E-12	2.69E-02	3.26E-02	7.61E-03	7.27E-03	4.17E-02	7.27E-03	8.08E-03	2.39E-01
241-Pu	2.41E-02	4.05E-02	1.52E-02	1.66E-02	3.18E-03	3.18E-03	3.18E-03	2.73E-05	8.46E-03
242-Cm	1.91E-02	1.55E-01	2.39E-02	9.00E-02	2.10E-02	2.72E-03	2.10E-02	9.79E-03	3.60E-03
242-Pu	2.41E-02	4.05E-02	1.52E-02	1.66E-02	3.18E-03	3.18E-03	3.18E-03	2.73E-05	8.46E-03
243-Am	2.73E-12	2.69E-02	3.26E-02	7.61E-03	7.27E-03	4.17E-02	7.27E-03	8.08E-03	2.39E-01
243-Cm	1.91E-02	1.55E-01	2.39E-02	9.00E-02	2.10E-02	2.72E-03	2.10E-02	9.79E-03	3.60E-03
244-Cm	1.91E-02	1.55E-01	2.39E-02	9.00E-02	2.10E-02	2.72E-03	2.10E-02	9.79E-03	3.60E-03
3-H	1.00E+00								
59-Ni	4.04E-03	1.38E-01	0.00E+00	1.38E-01	4.70E-02	0.00E+00	4.70E-02	0.00E+00	2.97E-03
60-Co	4.04E-03	1.07E-01	0.00E+00	3.47E-01	1.08E-01	2.71E-02	1.08E-01	0.00E+00	1.00E+00
63-Ni	4.04E-03	1.38E-01	0.00E+00	1.38E-01	4.70E-02	0.00E+00	4.70E-02	0.00E+00	2.97E-03
79-Se	1.00E+00	8.60E-01	9.91E-01	8.60E-01	9.82E-01	9.82E-01	9.82E-01	9.96E-01	8.63E-01
90-Sr	3.09E-02	2.33E-01	0.00E+00	3.92E-02	2.64E-02	0.00E+00	2.64E-02	5.86E-03	7.77E-03
90-Y	3.09E-02	2.33E-01	0.00E+00	3.92E-02	2.64E-02	0.00E+00	2.64E-02	5.86E-03	7.77E-03
93m-Nb	2.27E-01	1.65E-01	1.28E-01	1.65E-01	6.55E-03	0.00E+00	6.55E-03	3.69E-02	0.00E+00
93-Zr	2.12E-01	9.49E-02	5.17E-02	9.49E-02	7.94E-03	7.94E-03	7.94E-03	8.83E-03	3.06E-03
99-Tc	1.00E+00	8.77E-01	7.42E-01	7.25E-01	6.99E-01	6.99E-01	6.99E-01	1.00E+00	6.06E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 15 of 20)

Radionuclide	T-106	T-107	T-108	T-109	T-110	T-111	T-112	T-201	T-202
106-Ru	2.10E-04	1.17E-02	1.17E-02	1.61E-04	6.24E-03	7.00E-03	6.24E-03	6.24E-03	6.24E-03
113m-Cd	1.04E-01	1.84E-01	1.84E-01	1.17E-01	4.66E-02	4.69E-02	4.66E-02	4.66E-02	4.66E-02
125-Sb	8.16E-03	1.92E-02	0.00E+00	1.86E-01	8.83E-03	7.91E-03	8.83E-03	8.83E-03	8.83E-03
126-Sn	2.02E-02	7.04E-02	7.44E-03	6.14E-02	1.90E-02	1.94E-02	1.90E-02	1.90E-02	1.90E-02
129-I	1.00E+00	1.00E+00	1.00E+00	7.15E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01
134-Cs	6.63E-01	7.96E-01	3.24E-01	6.98E-01	3.10E-01	2.50E-01	3.10E-01	3.10E-01	3.10E-01
137m-Ba	6.63E-01	7.96E-01	3.24E-01	6.98E-01	3.10E-01	2.50E-01	3.10E-01	3.10E-01	3.10E-01
137-Cs	6.63E-01	7.96E-01	3.24E-01	6.98E-01	3.10E-01	2.50E-01	3.10E-01	3.10E-01	3.10E-01
14-C	9.97E-01	1.00E+00	1.00E+00	9.84E-01	6.51E-01	6.51E-01	6.51E-01	6.51E-01	6.51E-01
151-Sm	0.00E+00	2.98E-05	2.98E-05	2.98E-05	2.60E-03	2.61E-03	2.60E-03	2.60E-03	2.60E-03
152-Eu	2.48E-02	1.00E+00	1.00E+00	3.03E-02	2.28E-03	2.61E-03	2.28E-03	2.28E-03	2.28E-03
154-Eu	2.48E-02	1.00E+00	1.00E+00	3.03E-02	2.28E-03	2.61E-03	2.28E-03	2.28E-03	2.28E-03
155-Eu	2.48E-02	1.00E+00	1.00E+00	3.03E-02	2.28E-03	2.61E-03	2.28E-03	2.28E-03	2.28E-03
226-Ra	1.25E-02	3.46E-01	0.00E+00	7.10E-02	2.59E-02	2.62E-02	2.59E-02	2.59E-02	2.59E-02
227-Ac	0.00E+00	1.31E-04	1.31E-04	1.31E-04	2.60E-03	2.61E-03	2.60E-03	2.60E-03	2.60E-03
228-Ra	1.25E-02	3.46E-01	0.00E+00	7.10E-02	2.59E-02	2.62E-02	2.59E-02	2.59E-02	2.59E-02
229-Th	8.14E-05	3.79E-02	5.60E-01	1.41E-02	2.42E-03	0.00E+00	2.42E-03	2.42E-03	2.42E-03
231-Pa	4.47E-04	5.91E-02	0.00E+00	3.92E-04	1.95E-01	2.00E-01	1.95E-01	1.95E-01	1.95E-01
232-Th	8.14E-05	3.79E-02	5.60E-01	1.41E-02	2.42E-03	0.00E+00	2.42E-03	2.42E-03	2.42E-03
232-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
233-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
234-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
235-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
236-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
237-Np	1.41E-04	3.79E-02	5.60E-01	6.62E-02	2.54E-03	0.00E+00	2.54E-03	2.54E-03	2.54E-03
238-Pu	3.18E-03	3.03E-03	3.03E-03	1.52E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	4.87E-03
238-U	1.41E-04	3.79E-02	5.60E-01	2.22E-02	6.70E-04	0.00E+00	6.70E-04	6.70E-04	6.70E-04
239-Pu	3.18E-03	3.03E-03	3.03E-03	1.52E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	4.87E-03
240-Pu	3.18E-03	3.03E-03	3.03E-03	1.52E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	4.87E-03
241-Am	7.27E-03	3.79E-02	5.60E-01	3.26E-02	3.79E-03	0.00E+00	3.79E-03	3.79E-03	3.79E-03
241-Pu	3.18E-03	3.03E-03	3.03E-03	1.52E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	4.87E-03
242-Cm	2.10E-02	5.83E-02	2.22E-01	9.22E-02	1.72E-02	2.01E-02	1.72E-02	1.72E-02	1.72E-02
242-Pu	3.18E-03	3.03E-03	3.03E-03	1.52E-02	4.87E-03	4.87E-03	4.87E-03	4.87E-03	4.87E-03
243-Am	7.27E-03	3.79E-02	5.60E-01	3.26E-02	3.79E-03	0.00E+00	3.79E-03	3.79E-03	3.79E-03
243-Cm	2.10E-02	5.83E-02	2.22E-01	9.22E-02	1.72E-02	2.01E-02	1.72E-02	1.72E-02	1.72E-02
244-Cm	2.10E-02	5.83E-02	2.22E-01	9.22E-02	1.72E-02	2.01E-02	1.72E-02	1.72E-02	1.72E-02
3-H	1.00E+00								
59-Ni	4.70E-02	1.05E-03	1.09E-02	7.06E-02	1.15E-02	1.29E-02	1.15E-02	1.15E-02	1.15E-02
60-Co	1.08E-01	1.05E-03	1.18E-02	5.77E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02
63-Ni	4.70E-02	1.05E-03	1.09E-02	7.06E-02	1.15E-02	1.29E-02	1.15E-02	1.15E-02	1.15E-02
79-Se	9.82E-01	5.00E-01	3.91E-01	9.41E-01	9.54E-01	9.73E-01	8.10E-01	1.00E+00	1.00E+00
90-Sr	2.64E-02	3.25E-03	2.43E-02	1.61E-01	1.71E-02	6.58E-03	1.71E-02	1.71E-02	1.71E-02
90-Y	2.64E-02	3.25E-03	2.43E-02	1.61E-01	1.71E-02	6.58E-03	1.71E-02	1.71E-02	1.71E-02
93m-Nb	6.55E-03	5.91E-02	0.00E+00	5.17E-02	1.19E-01	2.00E-01	1.19E-01	1.19E-01	1.19E-01
93-Zr	7.94E-03	1.92E-02	0.00E+00	1.28E-01	8.45E-03	7.91E-03	8.45E-03	8.45E-03	8.45E-03
99-Tc	6.99E-01	1.00E+00	1.00E+00	7.42E-01	7.42E-01	7.42E-01	7.42E-01	7.42E-01	7.42E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 16 of 20)

Radionuclide	T-203	T-204	TX-101	TX-102	TX-103	TX-104	TX-105	TX-106	TX-107
106-Ru	6.24E-03	5.40E-04	3.40E-04	1.01E-01	1.01E-01	1.01E-01	1.01E-01	1.02E-04	1.01E-01
113m-Cd	4.66E-02	4.66E-02	2.21E-02	5.99E-01	5.99E-01	5.99E-01	5.99E-01	5.99E-01	5.99E-01
125-Sb	8.83E-03	8.83E-03	1.47E-03	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.16E-01	1.05E-01
126-Sn	1.90E-02	1.90E-02	7.72E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	6.01E-03	1.47E-02
129-I	7.15E-01	7.15E-01	4.23E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
134-Cs	3.10E-01	4.29E-01	7.50E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	1.00E+00	7.13E-01
137m-Ba	3.10E-01	4.29E-01	7.50E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	1.00E+00	7.13E-01
137-Cs	3.10E-01	4.29E-01	7.50E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	1.00E+00	7.13E-01
14-C	6.51E-01	6.51E-01	9.64E-01	9.48E-01	9.48E-01	9.48E-01	9.48E-01	1.00E+00	9.48E-01
151-Sm	2.60E-03	2.60E-03	1.58E-09	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13
152-Eu	2.28E-03	2.28E-03	8.16E-10	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13
154-Eu	2.28E-03	2.28E-03	8.16E-10	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13
155-Eu	2.28E-03	2.28E-03	8.16E-10	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13
226-Ra	2.59E-02	2.59E-02	1.27E-02	3.75E-01	3.75E-01	3.75E-01	3.75E-01	5.80E-02	3.75E-01
227-Ac	2.60E-03	2.60E-03	2.45E-09	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13	2.62E-13
228-Ra	2.59E-02	2.59E-02	1.27E-02	3.75E-01	3.75E-01	3.75E-01	3.75E-01	5.80E-02	3.75E-01
229-Th	2.42E-03	8.94E-02	2.68E-03	7.38E-02	7.38E-02	7.38E-02	7.38E-02	5.82E-05	7.38E-02
231-Pa	1.95E-01	1.95E-01	1.88E-04	7.93E-02	7.93E-02	7.93E-02	7.93E-02	4.56E-01	7.93E-02
232-Th	2.42E-03	8.94E-02	2.68E-03	7.38E-02	7.38E-02	7.38E-02	7.38E-02	5.82E-05	7.38E-02
232-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
233-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
234-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
235-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
236-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
237-Np	2.54E-03	8.94E-02	2.68E-02	1.79E-01	1.79E-01	1.79E-01	1.79E-01	5.82E-05	1.79E-01
238-Pu	4.87E-03	4.87E-03	5.65E-04	3.42E-02	3.42E-02	3.42E-02	3.42E-02	1.97E-02	3.42E-02
238-U	6.70E-04	8.94E-02	1.04E-02	2.14E-02	2.14E-02	2.14E-02	2.14E-02	5.82E-05	2.14E-02
239-Pu	4.87E-03	4.87E-03	5.65E-04	3.42E-02	3.42E-02	3.42E-02	3.42E-02	1.97E-02	3.42E-02
240-Pu	4.87E-03	4.87E-03	5.65E-04	3.42E-02	3.42E-02	3.42E-02	3.42E-02	1.97E-02	3.42E-02
241-Am	3.79E-03	8.94E-02	3.76E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	5.82E-05	1.12E-02
241-Pu	4.87E-03	4.87E-03	5.65E-04	3.42E-02	3.42E-02	3.42E-02	3.42E-02	1.97E-02	3.42E-02
242-Cm	1.72E-02	1.72E-02	1.82E-02	2.85E-01	2.85E-01	2.85E-01	2.85E-01	1.43E-01	2.85E-01
242-Pu	4.87E-03	4.87E-03	5.65E-04	3.42E-02	3.42E-02	3.42E-02	3.42E-02	1.97E-02	3.42E-02
243-Am	3.79E-03	8.94E-02	3.76E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	5.82E-05	1.12E-02
243-Cm	1.72E-02	1.72E-02	1.82E-02	2.85E-01	2.85E-01	2.85E-01	2.85E-01	1.43E-01	2.85E-01
244-Cm	1.72E-02	1.72E-02	1.82E-02	2.85E-01	2.85E-01	2.85E-01	2.85E-01	1.43E-01	2.85E-01
3-H	1.00E+00								
59-Ni	1.15E-02	1.15E-02	1.62E-02	2.03E-01	2.03E-01	2.03E-01	2.03E-01	1.08E-02	2.03E-01
60-Co	1.29E-02	1.29E-02	2.14E-02	1.14E-01	1.14E-01	1.14E-01	1.14E-01	1.08E-02	1.14E-01
63-Ni	1.15E-02	1.15E-02	1.62E-02	2.03E-01	2.03E-01	2.03E-01	2.03E-01	1.08E-02	2.03E-01
79-Se	1.00E+00	9.54E-01	9.86E-01	9.77E-01	9.77E-01	9.77E-01	9.77E-01	1.00E+00	9.77E-01
90-Sr	1.71E-02	3.86E-01	3.06E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	1.00E+00	4.04E-01
90-Y	1.71E-02	3.86E-01	3.06E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	1.00E+00	4.04E-01
93m-Nb	1.19E-01	1.19E-01	4.07E-02	1.66E-01	1.66E-01	1.66E-01	1.66E-01	4.56E-01	1.66E-01
93-Zr	8.45E-03	8.45E-03	1.45E-03	1.05E-01	1.05E-01	1.05E-01	1.05E-01	1.16E-01	1.05E-01
99-Tc	7.42E-01	7.42E-01	9.14E-01	3.57E-01	3.57E-01	3.57E-01	3.57E-01	1.00E+00	3.57E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 17 of 20)

Radionuclide	TX-108	TX-109	TX-110	TX-111	TX-112	TX-113	TX-114	TX-115	TX-116
106-Ru	1.01E-01	1.01E-07	1.01E-01	1.01E-01	1.01E-01	1.01E-01	1.01E-01	1.01E-01	0.00E+00
113m-Cd	5.99E-01	1.84E-01	5.99E-01						
125-Sb	1.05E-01	1.24E-03	1.05E-01						
126-Sn	1.47E-02	1.06E-03	1.47E-02						
129-I	1.00E+00								
134-Cs	7.13E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	2.00E-01
137m-Ba	7.13E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	2.00E-01
137-Cs	7.13E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	7.13E-01	2.00E-01
14-C	9.48E-01	1.00E+00	9.48E-01						
151-Sm	2.62E-13	2.98E-05	2.62E-13						
152-Eu	2.62E-13	1.00E+00	2.62E-13						
154-Eu	2.62E-13	1.00E+00	2.62E-13						
155-Eu	2.62E-13	1.00E+00	2.62E-13						
226-Ra	3.75E-01	3.45E-02	3.75E-01						
227-Ac	2.62E-13	1.31E-04	2.62E-13						
228-Ra	3.75E-01	3.45E-02	3.75E-01						
229-Th	7.38E-02	0.00E+00	7.38E-02						
231-Pa	7.93E-02	3.25E-01	7.93E-02						
232-Th	7.38E-02	0.00E+00	7.38E-02						
232-U	2.14E-02	0.00E+00	2.14E-02						
233-U	2.14E-02	0.00E+00	2.14E-02						
234-U	2.14E-02	0.00E+00	2.14E-02						
235-U	2.14E-02	0.00E+00	2.14E-02						
236-U	2.14E-02	0.00E+00	2.14E-02						
237-Np	1.79E-01	0.00E+00	1.79E-01						
238-Pu	3.42E-02	2.61E-03	3.42E-02						
238-U	2.14E-02	0.00E+00	2.14E-02						
239-Pu	3.42E-02	2.61E-03	3.42E-02						
240-Pu	3.42E-02	2.61E-03	3.42E-02						
241-Am	1.12E-02	0.00E+00	1.12E-02						
241-Pu	3.42E-02	2.61E-03	3.42E-02						
242-Cm	2.85E-01	2.02E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	5.12E-02
242-Pu	3.42E-02	2.61E-03	3.42E-02						
243-Am	1.12E-02	0.00E+00	1.12E-02						
243-Cm	2.85E-01	2.02E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	5.12E-02
244-Cm	2.85E-01	2.02E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	2.85E-01	5.12E-02
3-H	1.00E+00								
59-Ni	2.03E-01	5.89E-03	2.03E-01						
60-Co	1.14E-01	5.89E-03	1.14E-01						
63-Ni	2.03E-01	5.89E-03	2.03E-01						
79-Se	9.77E-01	1.00E+00	9.77E-01						
90-Sr	4.04E-01	7.12E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	6.70E-03
90-Y	4.04E-01	7.12E-02	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	4.04E-01	6.70E-03
93m-Nb	1.66E-01	3.25E-01	1.66E-01						
93-Zr	1.05E-01	1.24E-03	1.05E-01						
99-Tc	3.57E-01	1.00E+00	3.57E-01						

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 18 of 20)

Radionuclide	TX-117	TX-118	TY-101	TY-102	TY-103	TY-104	TY-105	TY-106	U-101
106-Ru	1.01E-01	1.01E-01	1.32E-03	9.76E-04	6.55E-03	5.52E-03	2.86E-05	4.95E-05	1.07E-05
113m-Cd	5.99E-01	5.99E-01	1.85E-01	4.70E-01	2.11E-01	2.51E-01	3.01E-01	8.00E-02	2.21E-02
125-Sb	1.05E-01	1.05E-01	3.17E-04	1.80E-01	2.57E-04	5.66E-04	1.85E-02	1.73E-03	1.47E-03
126-Sn	1.47E-02	1.47E-02	2.84E-02	1.05E-01	1.11E-02	1.77E-02	7.44E-03	6.14E-02	1.10E-02
129-I	1.00E+00	7.15E-01	1.00E+00						
134-Cs	7.13E-01	7.13E-01	3.18E-01	7.64E-01	4.05E-05	3.85E-01	6.79E-01	2.08E-01	1.00E+00
137m-Ba	7.13E-01	7.13E-01	3.18E-01	7.64E-01	4.05E-05	3.85E-01	6.79E-01	2.08E-01	1.00E+00
137-Cs	7.13E-01	7.13E-01	3.18E-01	7.64E-01	4.05E-05	3.85E-01	6.79E-01	2.08E-01	1.00E+00
14-C	9.48E-01	9.48E-01	4.29E-01	9.48E-01	7.14E-01	6.45E-01	1.00E+00	9.84E-01	9.29E-01
151-Sm	2.62E-13	2.62E-13	2.98E-05	2.62E-13	6.04E-05	2.62E-13	2.98E-05	2.98E-05	1.58E-09
152-Eu	2.62E-13	2.62E-13	1.00E+00	2.62E-13	3.78E-05	2.62E-13	1.00E+00	3.03E-02	8.16E-10
154-Eu	2.62E-13	2.62E-13	1.00E+00	2.62E-13	3.78E-05	2.62E-13	1.00E+00	3.03E-02	8.16E-10
155-Eu	2.62E-13	2.62E-13	1.00E+00	2.62E-13	3.78E-05	2.62E-13	1.00E+00	3.03E-02	8.16E-10
226-Ra	3.75E-01	3.75E-01	3.93E-03	3.75E-01	1.29E-02	9.52E-03	2.46E-01	7.10E-02	1.30E-02
227-Ac	2.62E-13	2.62E-13	1.31E-04	2.62E-13	2.25E-04	2.62E-13	1.31E-04	1.31E-04	2.45E-09
228-Ra	3.75E-01	3.75E-01	3.93E-03	3.75E-01	1.29E-02	9.52E-03	2.46E-01	7.10E-02	1.30E-02
229-Th	7.38E-02	7.38E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
231-Pa	7.93E-02	7.93E-02	9.37E-03	4.31E-01	5.73E-02	2.60E-02	4.26E-03	7.01E-03	2.12E-01
232-Th	7.38E-02	7.38E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
232-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
233-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
234-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
235-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
236-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
237-Np	1.79E-01	1.79E-01	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
238-Pu	3.42E-02	3.42E-02	8.25E-03	1.01E-01	4.97E-01	4.70E-03	1.66E-02	2.07E-02	7.99E-02
238-U	2.14E-02	2.14E-02	4.79E-03	4.58E-02	2.55E-03	1.95E-03	2.61E-03	1.70E-03	1.33E-13
239-Pu	3.42E-02	3.42E-02	8.25E-03	1.01E-01	4.97E-01	4.70E-03	1.66E-02	2.07E-02	7.99E-02
240-Pu	3.42E-02	3.42E-02	8.25E-03	1.01E-01	4.97E-01	4.70E-03	1.66E-02	2.07E-02	7.99E-02
241-Am	1.12E-02	1.12E-02	4.79E-03	4.00E-01	3.70E-02	5.97E-02	2.61E-03	1.70E-03	1.33E-13
241-Pu	3.42E-02	3.42E-02	8.25E-03	1.01E-01	4.97E-01	4.70E-03	1.66E-02	2.07E-02	7.99E-02
242-Cm	2.85E-01	2.85E-01	1.34E-03	3.81E-03	5.16E-04	7.53E-02	1.17E-03	4.97E-04	1.78E-02
242-Pu	3.42E-02	3.42E-02	8.25E-03	1.01E-01	4.97E-01	4.70E-03	1.66E-02	2.07E-02	7.99E-02
243-Am	1.12E-02	1.12E-02	4.79E-03	4.00E-01	3.70E-02	5.97E-02	2.61E-03	1.70E-03	1.33E-13
243-Cm	2.85E-01	2.85E-01	1.34E-03	3.81E-03	5.16E-04	7.53E-02	1.17E-03	4.97E-04	1.78E-02
244-Cm	2.85E-01	2.85E-01	1.34E-03	3.81E-03	5.16E-04	7.53E-02	1.17E-03	4.97E-04	1.78E-02
3-H	1.00E+00								
59-Ni	2.03E-01	2.03E-01	1.51E-02	6.99E-02	2.51E-02	1.07E-02	1.24E-02	1.72E-02	3.72E-03
60-Co	1.14E-01	1.14E-01	1.51E-02	5.00E-01	2.00E-01	1.22E-01	1.24E-02	1.72E-02	3.72E-03
63-Ni	2.03E-01	2.03E-01	1.51E-02	6.99E-02	2.51E-02	1.07E-02	1.24E-02	1.72E-02	3.72E-03
79-Se	9.77E-01	9.77E-01	1.00E+00	9.77E-01	9.46E-01	7.75E-01	9.43E-01	9.41E-01	1.00E+00
90-Sr	4.04E-01	4.04E-01	1.40E-02	1.35E-02	8.57E-05	2.98E-04	1.45E-03	3.30E-04	2.52E-02
90-Y	4.04E-01	4.04E-01	1.40E-02	1.35E-02	8.57E-05	2.98E-04	1.45E-03	3.30E-04	2.52E-02
93m-Nb	1.66E-01	1.66E-01	9.37E-03	4.31E-01	5.73E-02	2.60E-02	4.26E-03	7.01E-03	2.12E-01
93-Zr	1.05E-01	1.05E-01	3.17E-04	1.80E-01	2.57E-04	5.66E-04	1.85E-02	1.73E-03	1.45E-03
99-Tc	3.57E-01	3.57E-01	5.71E-01	3.57E-01	6.88E-01	7.33E-01	1.00E+00	8.75E-01	1.00E+00

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 19 of 20)

Radionuclide	U-102	U-103	U-104	U-105	U-106	U-107	U-108	U-109	U-110
106-Ru	1.01E-01	3.32E-03	2.94E-07	6.75E-03	4.61E-02	1.01E-01	1.01E-01	1.01E-01	3.17E-03
113m-Cd	5.99E-01	0.00E+00	2.21E-02	1.46E-01	9.32E-01	5.99E-01	5.99E-01	5.99E-01	0.00E+00
125-Sb	1.05E-01	1.86E-01	1.47E-03	1.85E-01	1.85E-01	1.05E-01	1.05E-01	1.05E-01	1.29E-04
126-Sn	1.47E-02	4.71E-03	7.72E-02	1.10E-01	5.05E-01	1.47E-02	1.47E-02	1.47E-02	1.16E-01
129-I	1.00E+00	1.00E+00	1.00E+00	6.86E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
134-Cs	7.13E-01	9.99E-01	1.00E+00	8.85E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	2.25E-01
137m-Ba	7.13E-01	9.99E-01	1.00E+00	8.85E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	2.25E-01
137-Cs	7.13E-01	9.99E-01	1.00E+00	8.85E-01	1.00E+00	7.13E-01	7.13E-01	7.13E-01	2.25E-01
14-C	9.48E-01	1.00E+00	9.95E-01	9.99E-01	1.00E+00	9.48E-01	9.48E-01	9.48E-01	1.00E+00
151-Sm	2.62E-13	6.00E-06	1.58E-09	2.44E-07	0.00E+00	2.62E-13	2.62E-13	2.62E-13	0.00E+00
152-Eu	2.62E-13	5.76E-06	8.16E-10	1.45E-07	0.00E+00	2.62E-13	2.62E-13	2.62E-13	2.48E-02
154-Eu	2.62E-13	5.76E-06	8.16E-10	1.45E-07	0.00E+00	2.62E-13	2.62E-13	2.62E-13	2.48E-02
155-Eu	2.62E-13	5.76E-06	8.16E-10	1.45E-07	0.00E+00	2.62E-13	2.62E-13	2.62E-13	2.48E-02
226-Ra	3.75E-01	4.86E-02	7.17E-03	1.65E-01	7.66E-01	3.75E-01	7.45E-01	3.75E-01	3.83E-02
227-Ac	2.62E-13	5.13E-06	2.45E-09	2.21E-07	0.00E+00	2.62E-13	2.62E-13	2.62E-13	0.00E+00
228-Ra	3.75E-01	4.86E-02	7.17E-03	1.65E-01	7.66E-01	3.75E-01	7.45E-01	3.75E-01	3.83E-02
229-Th	7.38E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	7.38E-02	7.38E-02	7.38E-02	7.07E-06
231-Pa	7.93E-02	2.33E-01	3.43E-01	2.76E-01	5.56E-02	7.93E-02	7.93E-02	7.93E-02	6.84E-03
232-Th	7.38E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	7.38E-02	7.38E-02	7.38E-02	7.07E-06
232-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
233-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
234-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
235-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
236-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
237-Np	1.79E-01	4.77E-01	1.61E-05	1.46E-02	1.26E-04	1.79E-01	1.79E-01	1.79E-01	7.07E-06
238-Pu	3.42E-02	5.77E-02	1.92E-02	4.05E-02	4.05E-02	3.42E-02	3.42E-02	3.42E-02	4.55E-03
238-U	2.14E-02	4.77E-01	1.61E-05	1.46E-02	1.26E-04	2.14E-02	2.14E-02	2.14E-02	7.07E-06
239-Pu	3.42E-02	5.77E-02	1.92E-02	4.05E-02	4.05E-02	3.42E-02	3.42E-02	3.42E-02	4.55E-03
240-Pu	3.42E-02	5.77E-02	1.92E-02	4.05E-02	4.05E-02	3.42E-02	3.42E-02	3.42E-02	4.55E-03
241-Am	1.12E-02	9.62E-02	1.61E-05	1.46E-02	1.26E-04	1.12E-02	1.12E-02	1.12E-02	7.07E-06
241-Pu	3.42E-02	5.77E-02	1.92E-02	4.05E-02	4.05E-02	3.42E-02	3.42E-02	3.42E-02	4.55E-03
242-Cm	2.85E-01	7.76E-01	2.86E-02	4.16E-01	6.60E-01	2.85E-01	8.97E-01	6.32E-01	1.59E-02
242-Pu	3.42E-02	5.77E-02	1.92E-02	4.05E-02	4.05E-02	3.42E-02	3.42E-02	3.42E-02	4.55E-03
243-Am	1.12E-02	9.62E-02	1.61E-05	1.46E-02	1.26E-04	1.12E-02	1.12E-02	1.12E-02	7.07E-06
243-Cm	2.85E-01	7.76E-01	2.86E-02	4.16E-01	6.60E-01	2.85E-01	8.97E-01	6.32E-01	1.59E-02
244-Cm	2.85E-01	7.76E-01	2.86E-02	4.16E-01	6.60E-01	2.85E-01	8.97E-01	6.32E-01	1.59E-02
3-H	1.00E+00								
59-Ni	2.03E-01	9.43E-03	4.46E-03	1.38E-01	2.35E-01	2.03E-01	7.62E-03	2.03E-01	6.46E-04
60-Co	1.14E-01	1.05E-03	4.46E-03	1.07E-01	2.35E-01	1.14E-01	7.62E-03	1.14E-01	6.46E-04
63-Ni	2.03E-01	9.43E-03	4.46E-03	1.38E-01	2.35E-01	2.03E-01	7.62E-03	2.03E-01	6.46E-04
79-Se	9.31E-01	8.94E-01	1.00E+00	9.54E-01	9.74E-01	1.00E+00	1.00E+00	9.77E-01	9.69E-01
90-Sr	4.04E-01	8.01E-01	2.26E-02	1.21E-01	2.33E-01	4.04E-01	4.04E-01	4.04E-01	4.82E-03
90-Y	4.04E-01	8.01E-01	2.26E-02	1.21E-01	2.33E-01	4.04E-01	4.04E-01	4.04E-01	4.82E-03
93m-Nb	1.66E-01	1.68E-01	3.43E-01	9.49E-02	5.56E-02	1.66E-01	1.66E-01	1.66E-01	6.84E-03
93-Zr	1.05E-01	1.70E-01	1.45E-03	1.65E-01	1.65E-01	1.05E-01	1.05E-01	1.05E-01	1.29E-04
99-Tc	3.57E-01	9.26E-01	1.00E+00	8.77E-01	1.00E+00	3.57E-01	3.57E-01	3.57E-01	6.82E-01

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Table B5-2. Best-Basis Radionuclide Wash Factors. (Sheet 20 of 20)

Radionuclide	U-111	U-112	U-201	U-202	U-203	U-204
106-Ru	1.01E-01	2.48E-07	2.32E-06	2.32E-06	7.44E-03	6.03E-07
113m-Cd	5.99E-01	2.21E-02	1.04E-01	1.04E-01	1.04E-01	1.04E-01
125-Sb	1.05E-01	8.27E-04	1.07E-02	1.13E-02	1.41E-02	2.76E-03
126-Sn	1.47E-02	1.52E-03	1.26E-04	2.78E-05	1.69E-04	2.00E-05
129-I	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
134-Cs	7.13E-01	1.00E+00	1.00E+00	1.00E+00	9.61E-01	9.66E-01
137m-Ba	7.13E-01	1.00E+00	1.00E+00	1.00E+00	9.61E-01	9.66E-01
137-Cs	7.13E-01	1.00E+00	1.00E+00	1.00E+00	9.61E-01	9.66E-01
14-C	9.48E-01	1.00E+00	9.59E-01	9.59E-01	9.64E-01	9.96E-01
151-Sm	2.62E-13	1.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152-Eu	2.62E-13	8.16E-10	2.48E-02	2.48E-02	2.48E-02	2.48E-02
154-Eu	2.62E-13	8.16E-10	2.48E-02	2.48E-02	2.48E-02	2.48E-02
155-Eu	2.62E-13	8.16E-10	2.48E-02	2.48E-02	2.48E-02	2.48E-02
226-Ra	3.75E-01	1.63E-02	6.35E-03	6.67E-03	7.25E-03	1.08E-03
227-Ac	2.62E-13	2.45E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
228-Ra	3.75E-01	1.63E-02	6.35E-03	6.67E-03	7.25E-03	1.08E-03
229-Th	7.38E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
231-Pa	7.93E-02	7.62E-02	1.64E-01	1.66E-01	2.53E-01	2.81E-01
232-Th	7.38E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
232-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
233-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
234-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
235-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
236-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
237-Np	1.79E-01	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
238-Pu	3.42E-02	8.77E-04	1.19E-04	1.19E-04	1.38E-04	3.41E-01
238-U	2.14E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.75E-01
239-Pu	3.42E-02	8.77E-04	1.19E-04	1.19E-04	1.38E-04	3.41E-01
240-Pu	3.42E-02	8.77E-04	1.19E-04	1.19E-04	1.38E-04	3.41E-01
241-Am	1.12E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.60E-01
241-Pu	3.42E-02	8.77E-04	1.19E-04	1.19E-04	1.38E-04	3.41E-01
242-Cm	2.85E-01	3.09E-02	9.98E-03	1.01E-02	1.62E-02	2.54E-03
242-Pu	3.42E-02	8.77E-04	1.19E-04	1.19E-04	1.38E-04	3.41E-01
243-Am	1.12E-02	1.60E-09	3.15E-12	3.15E-12	2.27E-12	2.60E-01
243-Cm	2.85E-01	3.09E-02	9.98E-03	1.01E-02	1.62E-02	2.54E-03
244-Cm	2.85E-01	3.09E-02	9.98E-03	1.01E-02	1.62E-02	2.54E-03
3-H	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
59-Ni	2.03E-01	6.08E-03	2.42E-04	2.42E-04	3.59E-04	2.93E-05
60-Co	1.14E-01	6.08E-03	2.42E-04	2.42E-04	3.59E-04	2.93E-05
63-Ni	2.03E-01	6.08E-03	2.42E-04	2.42E-04	3.59E-04	2.93E-05
79-Se	9.77E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00
90-Sr	4.04E-01	6.43E-02	2.60E-02	2.79E-02	2.09E-02	4.65E-02
90-Y	4.04E-01	6.43E-02	2.60E-02	2.79E-02	2.09E-02	4.65E-02
93m-Nb	1.66E-01	7.62E-02	1.64E-01	1.66E-01	2.53E-01	2.81E-01
93-Zr	1.05E-01	8.27E-04	1.07E-02	1.13E-02	1.41E-02	2.76E-03
99-Tc	3.57E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00	1.00E+00

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Table B5-3. Best-Basis Chemical Leach Factors for Phase 1 Tanks

Analyte	AW-103	AW-104	AY-101	AY-102	AZ-101	AZ-102	C-104	C-106	C-107	SY-102
Al	0.824	0.828	0.977	0.824	0.728	0.977	0.970	0.824	0.620	0.824
Bi	0.006	0.187	0.097	0.006	0.394	0.097	0.000	0.030	0.028	0.006
Ca	0.180	0.063	0.139	0.049	0.204	0.014	0.003	0.049	0.010	0.049
Cl	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
CO ₃	0.995	1.000	0.995	0.995	1.000	0.995	0.990	0.995	1.000	0.995
Cr	0.498	0.441	0.620	0.498	0.523	0.620	0.407	0.498	0.640	0.498
F	0.993	0.998	0.993	0.993	1.000	0.993	1.000	0.993	1.000	0.993
Fe	0.031	0.001	0.030	0.009	0.079	0.030	0.009	0.009	0.000	0.009
Hg	0.291	0.291	0.161	0.196	0.196	0.000	0.034	0.196	0.000	0.291
K	0.959	0.926	0.904	0.904	0.871	0.904	1.000	0.904	0.960	0.904
La	0.002	0.000	0.002	0.002	0.000	0.002	0.000	0.002	0.002	0.002
Mn	0.057	0.033	0.000	0.057	0.098	0.000	0.000	0.057	0.000	0.057
Na	0.982	0.995	0.967	0.967	0.978	0.967	1.000	0.967	0.960	0.967
Ni	0.500	0.009	0.024	0.071	0.002	0.000	0.472	0.051	0.000	0.051
NO ₂	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
NO ₃	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
OHTOTAL	---	---	---	---	---	---	---	---	---	---
Pb	0.000	0.004	0.139	0.044	0.001	0.000	0.181	0.019	0.061	0.000
PO ₄	0.903	0.950	0.855	0.898	0.834	0.489	0.894	0.898	0.901	0.898
Si	0.308	0.509	0.641	0.308	0.844	0.641	0.450	0.308	0.140	0.308
SO ₄	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Sr	0.162	0.939	0.003	0.162	0.649	0.003	0.328	0.162	0.037	0.162
TOC	---	---	---	---	---	---	---	---	---	---
U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
Zr	0.028	0.168	0.032	0.021	0.079	0.021	0.001	0.052	0.030	0.052

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Table B5-4. Best-Basis Radionuclide Leach Factors for Phase 1 Tanks

Analyte	AW-103	AW-104	AY-101	AY-102	AZ-101	AZ-102	C-104	C-106	C-107	SY-102
3H	---	---	---	---	---	---	---	---	---	---
14C	0.990	1.000	0.990	0.990	1.000	0.990	0.996	0.990	1.000	0.990
59Ni	0.500	0.009	0.024	0.071	0.002	0.000	0.472	0.051	0.000	0.051
60Co	0.500	0.001	0.001	0.058	0.080	0.000	0.472	0.044	0.000	0.044
63Ni	0.500	0.009	0.024	0.071	0.002	0.000	0.472	0.051	0.000	0.051
79Se	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
90Sr	0.162	0.939	0.003	0.162	0.649	0.003	0.328	0.162	0.037	0.162
90Y	0.162	0.939	0.003	0.162	0.649	0.003	0.328	0.162	0.037	0.162
93mNb	0.138	0.225	0.084	0.138	0.208	0.084	0.000	0.138	0.028	0.138
93Zr	0.028	0.168	0.032	0.021	0.079	0.021	0.001	0.052	0.030	0.052
99Tc	0.981	1.000	0.981	0.981	0.965	0.981	1.000	0.981	1.000	0.981
106Ru	0.031	0.001	0.030	0.010	0.008	0.030	0.041	0.010	0.000	0.010
113mCd	0.117	0.026	0.007	0.026	0.058	0.000	0.034	0.032	0.000	0.117
125Sb	0.340	0.252	0.084	0.340	0.244	0.084	0.000	0.340	0.028	0.340
126Sn	0.005	0.005	0.016	0.061	0.001	0.005	0.181	0.019	0.035	0.005
129I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
134Cs	0.962	1.000	1.000	0.962	0.999	1.000	0.997	0.962	0.710	0.962
137mBa	0.962	1.000	1.000	0.962	0.999	1.000	0.997	0.962	0.710	0.962
137Cs	0.962	1.000	1.000	0.962	0.999	1.000	0.997	0.962	0.710	0.962
151Sm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152Eu	0.030	0.000	0.030	0.030	0.000	0.030	0.000	0.030	1.000	0.030
154Eu	0.030	0.000	0.030	0.030	0.000	0.030	0.000	0.030	1.000	0.030
155Eu	0.030	0.000	0.030	0.030	0.000	0.030	0.000	0.030	1.000	0.030
226Ra	0.180	0.049	0.092	0.031	0.158	0.014	0.003	0.031	0.010	0.031
227Ac	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
228Ra	0.180	0.049	0.092	0.031	0.158	0.014	0.003	0.031	0.010	0.031
229Th	0.047	0.203	0.050	0.047	0.007	0.050	0.050	0.047	0.299	0.047
231Pa	0.028	0.233	0.032	0.001	0.073	0.001	0.001	0.052	0.030	0.001
232Th	0.047	0.203	0.050	0.047	0.007	0.050	0.050	0.047	0.299	0.047
232U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
233U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
234U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
235U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
236U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
237Np	0.104	0.176	0.049	0.104	0.013	0.049	0.050	0.104	0.299	0.104
238Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
238U	0.036	0.065	0.054	0.036	0.011	0.054	0.050	0.036	0.299	0.036
239/240Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
239Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
240Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
241Am	0.144	0.012	0.050	0.144	0.028	0.050	0.050	0.144	0.299	0.144
241Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
242Cm	0.793	0.579	0.974	0.793	0.856	0.974	0.970	0.793	0.620	0.793
242Pu	0.031	0.015	0.000	0.000	0.040	0.000	0.000	0.048	0.008	0.015
243Am	0.144	0.012	0.050	0.144	0.028	0.050	0.050	0.144	0.299	0.144
243Cm	0.793	0.579	0.974	0.793	0.856	0.974	0.970	0.793	0.620	0.793
244Cm	0.793	0.579	0.974	0.793	0.856	0.974	0.970	0.793	0.620	0.793

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B6.0 CAVEATS

The RPP inventory is derived from a mixture of laboratory data and model predictions based on historical records and assumptions about future transfers. Several enabling and simplifying assumptions used to create the RPP inventory, some of which have already been discussed previously, are listed below. These enabling assumptions may impact the accuracy of the final results and will have to be reviewed in future inventory development.

- Missing analyte information was assumed to be zero. This non-conservative assumption will have to be addressed in the future and perhaps be replaced by assuming the missing concentrations are weighted averages of waste samples of similar waste types.
- Compositions for wastes arising from routine facility operations and facility decommissioning activities are generally based on weighted averages of previous waste transfers. These compositions may only roughly reflect future facility wastes sent to the DST system.
- The HTWOS model performs calculations on a dry solids basis throughout the simulation. Aside from data in tank specific flowsheets, data available to separate inventories into water-soluble and insoluble fractions have not been qualified. Greater detail is required when generating water-soluble and insoluble fractions for the tank. In order to provide more accurate water-soluble and insoluble fractions, tank specific flowsheets are being prepared for tanks 241-AN-102, 241-AN-103, 241-AN-104 (update), 241-AN-105 (update), 241-AN-107, 241-AP-101, 241-AP-105, 241-AP-106, 241-AW-101, 241-AW-104, 241-AZ-101, 241-AZ-102, 241-SY-101, 241-SY-102, 241-SY-103, 241-S-102, 241-S-105, 241-AY-101/241-C-104, 241-AY-102/241-C-106, 241-AW-103/241-C-107, 241-AW-103/241-AW-104.
- Laboratory data on DSTs are not always internally consistent. Weight percent water, densities, and waste compositions cannot be reconciled in some cases to produce tank volumes equal to the measured tank volumes. Adjustments in the amount of water were made to make calculated volumes agree with measured volumes.
- BBI data were accepted without validating any of the assumptions made or the values chosen in developing the BBIs.
- Non-BBI data have not been validated and no work was done to verify that valid assumptions were made or that the values chosen for these analytes are correct.

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